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# California Seed Company

147-149 MARKET ST.  
SAN FRANCISCO  
CALIFORNIA  
1923



OUR FAMOUS HOWLING MOB SUGAR CORN—SEE PAGE 13

# HOW TO ORDER BY MAIL

**WE PREPAY CHARGES** anywhere within the fourth parcel post zone on all vegetable, flower, field and grass seeds in packets, ounces, 1-pound and 10-pound lots. In larger quantities special prices will be made, which do not include free delivery. Fertilizers, insecticides, tools, nursery stock and bulbs are not prepaid except where specially stated.

**YOUR NAME AND ADDRESS.**—Be very sure that your name and address are written very plainly on each order. We frequently have orders where either name is not given or address omitted. Also give plainly the R. F. D. number and box, or the street address. We acknowledge all orders by a postcard if not filled immediately. If such acknowledgment is not received, or if the order does not follow at once, write us about it.

**CASH WITH ORDER.**—The proper way is to send remittance in full to cover order and postage. We send orders C. O. D. only if 25 per cent of the amount of order is enclosed. Plants we never send out C. O. D.

**ALL PRICES** are subject to price fluctuation and to change without notice. For this reason we ask you to write for quantity price. On vegetable and flower seeds the price is usually fixed for the season and rarely is it necessary to change from the catalog, and the prices will be consistent with the market. You will be treated fairly.

**REMITTANCES** should be made by Post Office Money Order, Express Money Order, or by Check. For amounts up to one dollar, clean, unused postage stamps will be accepted. Coin should not be sent by mail. Checks on local banks may be sent, which will be a great convenience to many customers. Checks from outside the state of California will be collected before the goods are shipped. Therefore if you would avoid delay, send bank draft or postal money order. We do not accept responsibility for orders which never reach us.

**SHIPPING.**—We will use our best judgment as to the best way of sending orders when specific directions are not given. On large "prepaid" orders it is better to have them go by express, if your town is on a railroad—it is safer. If special directions in shipping are needed, send them explicitly, and where express or freight is different from post office, so state in space on our order sheet.

**NON-WARRANTY.**—While we exercise great care in selecting all seeds, bulbs, plants and trees we send out, and offer only stocks of highest quality, we cannot guarantee results, as weather and soil conditions, insects, pests and other causes beyond our control govern the success or failure of your crop. Therefore we give no warranty, express or implied, as to description, quality, productiveness or any other matter of any trees, plants, seeds or bulbs we send out and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once.

California Seed Co.

## Number of plants per acre at a given distance apart

Distance apart	No. of Plants	Distance apart	No. of Plants	Distance apart	No. of Plants
3 by 4 inches.....	522,720	4½ by 4½ feet.....	2,150	14 by 14 feet.....	222
4 by 4 inches.....	392,040	5 by 1 feet.....	8,712	15 by 15 feet.....	193
6 by 6 inches.....	174,240	5 by 2 feet.....	4,356	16 by 16 feet.....	170
1 by 1 foot.....	43,560	5 by 3 feet.....	2,904	16½ by 16½ feet.....	160
1½ by 1½ feet.....	19,360	5 by 4 feet.....	2,178	17 by 17 feet.....	150
2 by 1 feet.....	21,780	5 by 5 feet.....	1,742	18 by 18 feet.....	134
2 by 2 feet.....	10,890	5½ by 5½ feet.....	1,440	19 by 19 feet.....	120
2½ by 2½ feet.....	6,960	6 by 6 feet.....	1,200	20 by 20 feet.....	108
3 by 1 feet.....	14,520	6½ by 6½ feet.....	1,031	25 by 25 feet.....	69
3 by 2 feet.....	7,260	7 by 7 feet.....	888	30 by 30 feet.....	48
3 by 3 feet.....	4,840	8 by 8 feet.....	680	33 by 33 feet.....	40
3¾ by 3¾ feet.....	3,555	9 by 9 feet.....	537	40 by 40 feet.....	27
4 by 1 feet.....	10,890	10 by 10 feet.....	435	50 by 50 feet.....	17
4 by 2 feet.....	5,445	11 by 11 feet.....	360	60 by 60 feet.....	12
4 by 3 feet.....	3,630	12 by 12 feet.....	302	66 by 66 feet.....	10
4 by 4 feet.....	2,722	13 by 13 feet.....	257		

## Distance apart to plant fruit trees and berries

Standard Apples .....	25 to 30 feet apart each way	Apricots .....	24 to 30 feet apart each way
Standard Pears .....	20 to 24 " " " "	Grapes .....	7 to 10 " " " "
Strong-growing Cherries.....	20 to 24 " " " "	Currants and Gooseberries.....	4 by 6 feet
Standard Plums and		Raspberries and Blackberries.....	3 to 4 by 5 to 7 "
Prunes.....	20 to 24 " " " "	Strawberries for field culture.....	1 to 1½ by 4 to 5 "
Peaches and Nectarines.....	20 to 24 " " " "	Strawberries for garden culture.....	1 to 2 feet apart

**WHEN ORDERING TEAR OUT THIS SHEET**

Name \_\_\_\_\_

Street \_\_\_\_\_ P. O. Box \_\_\_\_\_

Post Office.....R. F. D. No.....

County \_\_\_\_\_ State \_\_\_\_\_

Forward Goods by\_\_\_\_\_

State whether by **Mail**, **Express** (and company),  
**Freight** (and route), **Steamer** (and line).

Name of Station or Exp. Office\_\_\_\_\_

**P. O. Money Order**\_\_\_\_\_

**Exp. Money Order**\_\_\_\_\_

**Draft**\_\_\_\_\_

Cash.....

### Stamps

**Total**\_\_\_\_\_

Date....., 192.....

NOTICE—We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, plants or bulbs we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once. California Seed Co.

[illegible]

(OVER)

## EXTRA ORDER SHEETS AND RETURN ENVELOPES FURNISHED ON REQUEST

NAME OF ARTICLE WANTED

Brought Forward

## POSTAGE

We Prepay Charges anywhere within the Fourth Zone on all vegetable, flower, field and grass seeds in packets, ounces, one-pound and ten-pound lots. Tools, fertilizers, insecticides and nursery stock are not prepaid except where noted. The postage charges on articles not marked postpaid can be computed at zone rates below:

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.		First pound or fraction	Each additional pound or fraction
First Zone, San Francisco or 50 miles thereof.....		5c	1c
Second Zone, within 50 to 150 miles.....		5c	1c
Third Zone, within 150 to 300 miles.....		6c	2c
Fourth Zone, within 300 to 600 miles.....		7c	4c
Fifth Zone, within 600 to 1000 miles.....		8c	6c
Sixth Zone, within 1000 to 1400 miles.....		9c	8c
Seventh Zone, within 1400 to 1800 miles.....		11c	10c
Eighth Zone, all over 1800 miles.....		12c	12c

Please do not ask questions on this Order Sheet, but kindly write them and all communications requiring an answer on a separate sheet of paper, and inclose with your order. Be sure that your Full Name and Address are on both Letter and Order.

This space is for remarks about your order



Our Retail Store, 147-149 Market Street, San Francisco, Cal.

## To Our Many Satisfied Customers

In presenting our **Fourteenth Annual Catalog**, we wish to state that we have carefully considered the so-called Novelties and New Varieties which spring up in seed catalogs each year, and omitted all such articles which have not yet been put through a test to our satisfaction. Customers have seen such cases, where a so-called Novelty is offered at a high price and dropped out of sight the following year. All the varieties listed in this catalog are the **Tested, Tried and Proven** sorts, and you can depend on them as being of the **highest quality**. To publish all the wonderful testimonials we receive yearly would fill this book. Following are a few specialties which we wish to call to the attention of **Canners** and those interested in the growing of crops for the **market**.

### SPINACH SEED

(Garden Spinach listed on page 24)

We are the **largest dealers** of Spinach Seed on the Pacific Coast, supplying all the **largest canneries** with our famous **Triple King** brand of Spinach Seed for canning purposes.

The canning of California Spinach has met with a tremendous sale in the past several years, and last season the pack exceeded over a million cases, which were all marketed. The cultivation of Spinach will be carried on much more extensively in the next few years. Prof. Rogers' leaflet on growing Spinach in California may be obtained from the University of California, Department of Agriculture, Berkeley, Cal. The best canning varieties are **Triple King, Long Standing, Triple King Monstrous Viroflay, and Triple King, Broad Leaved Prickly Seeded Winter**. For green shipping to distant markets we recommend our **Giant Savoy** type, as this variety has a good dark green color, and due to its curliness will keep fresh and will not wilt as quickly as the other sorts.

Write for Prices for Fall Delivery, 1923

## Specialties—Continued

### CUCUMBERS FOR PICKLING

We believe our strains of Pickling Cucumber seeds are not surpassed by anyone. Each season we supply the packers of pickles large quantities of seed of both our **Chicago Pickling** and **Snow's Perfection**. Both these varieties produce enormous quantities of fruits of good color, size and shape. (Write for quantity price.) These varieties are not recommended for the Market Gardener.



A FIELD OF OUR FAMOUS CHICAGO PICKLING CUCUMBER GROWN FOR SEED

Our two most popular Market Garden Cucumbers — **Selected Arlington White Spine** and **Improved Long Green**. These two cucumbers are the finest market or home garden cucumbers ever offered. We strongly recommend these varieties. Our stocks are extra select and of highest quality. See illustrations following. Prices on page 14.



SELECTED ARLINGTON WHITE SPINE (See Page 14)

## SELECT CHERRIES

The Combination Tree—Fruit and Shade

### Wholesale Price of Cherry Trees

	Each	5	10	25	100
3 to 4 feet.....	\$.65	\$3.00	\$5.75	\$12.00	\$45.00
4 to 6 feet.....	.90	4.25	8.00	17.50	65.00

**ABUNDANCE CHERRY**—A wonderful hardy sweet cherry; suitable for the north, south, east or west; succeeds where others fail; fruit very large and wonderfully productive. Fruit very sweet, rich and delicious; hangs on the tree 10 days after they are ripe. Known as the Million Dollar Cherry. 3 to 4 feet trees \$1.00; 5 for \$4.50.



## SELECT CHERRIES

**BURBANK**—The earliest of all large sweet cherries; deep crimson color, superior quality; flesh firm, meaty and delicious. Enormously productive, hangs on tree well after ripe, bears heavy crops each year; brings the highest market price. On account of its extreme earliness it means bigger profits. 3 to 4 feet trees \$1.00; 5 for \$4.50.

**MONTMORENCY KING**—Nothing better for quality, quantity of fruit. This is the most popular of all sour cherries.

**MONTMORENCY ORD**—Very similar to the above variety only 5 days later.

**EARLY RICHMOND**—This is a very popular sour cherry that is grown all over the country with perfect success.

**DYHOUSE**—A week earlier than Early Richmond, otherwise very similar to that variety.

**WRAGG**—One of the hardiest late cherries grown. Dark purple, fine quality and productive.

## QUINCES

**PINEAPPLE QUINCE**—Flavor very much like the pineapple; can be eaten like an apple. Fine for Jellies, baking, Canning, preserving. 3 to 4 feet trees 90c. each; 5 for \$4.00.

## HARDY PLUM TREES

### Wholesale Price of Plum Trees

	Each	5	10	25	100
3 to 4 feet.....	\$.60	\$2.75	\$5.25	\$12.00	\$46.00
4 to 6 feet.....	.75	3.25	6.25	15.00	56.00

**ABUNDANCE**—Very large, orange yellow, juicy, melting and sweet. Tree strong grower and productive.

**BURBANK**—Similar to Abundance, but deeper color and about two weeks later.

**AMERICA**—Large glossy coral red, very beautiful; firm sweet and juicy. Tree hardy and productive.

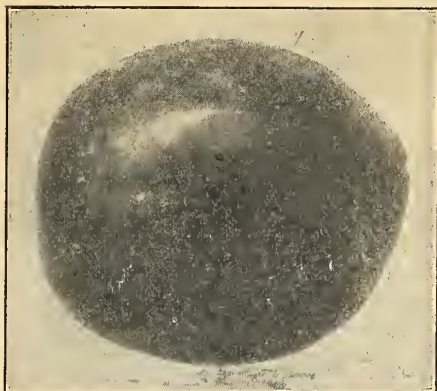
**HALE**—Large and handsome; bright orange with cherry red; flesh yellow.

**SHROPSHIRE DAMSON**—Purple with blue bloom, flesh yellow, melting and juicy; a money maker and a great favorite.

**WASHINGTON**—Magnificent variety; green marked with red; flesh firm, sweet and juicy.

**GOLD (Golden)**—The most beautiful plum grown, large size, bright yellow color; flesh yellow, juicy, rich. Good for canning and jellies.

## PROF. HANSON'S LATEST INTRODUCTIONS



### WANETA PLUM

**WANETA**—Most delicious of all plums; immense size; delicious, long keeper; beautiful color; small pit, a great yielder, hardy and thrifty; bears heavy crops at one and two years old.

**HANSKA**—Fruit large; best quality for eating from the tree, canning, preserving and jelly.

## THIS COUPON IS WORTH \$.50 IN CASH

On an order for \$3.00 worth of anything listed in this wholesale price list; we will accept this Coupon for 50 cents. Send your check for \$2.50 and this Coupon with your order for \$3.00 worth of anything you want.

Order direct from this folder. If anything is wanted that is not in this folder, write for our large illustrated Catalogue FREE.

**ALEXANDER CO. NURSERIES** 105 N. MAIN STREET  
McCLURE, ILLINOIS

## SUGAR PRUNES

**NEW STANDARD PRUNE**—Burbanks latest and best productions and adds millions of dollars to the prune industry. Tree enormous, never failing bearers, strong healthy growers; hardy in all climates. Fruit measures 4½ inches around one way by 6 inches around the other way. Flesh honey yellow, fine grained, very sweet, never rot but dries up on the tree. 4 to 6 feet trees \$2.00 each.

**GIANT PRUNE**—Extra large, averaging 2 ounces each. Flesh yellow, juicy, firm and very delicious and sweet. Never rot and is a freestone. 4 to 6 feet trees \$1.50 each.

## RASPBERRIES

Price of Raspberries, Postpaid.

	3	12	25	100
La France, Red.....	\$.50	\$1.75	\$3.00	\$10.00
King of Market, red....	.50	1.25	2.00	7.00
King of Cliffs, black....	.50	1.25	2.00	7.00
Honeysweet, black.....	.50	1.00	1.75	6.00

**LA FRANCE** (Giant Everbearing red)—Genuine Everbearing, the daintiest and most delicious of all fruits. Big, rich, sweet, meaty, juicy, berries from June 'til November. Twice the size of any other raspberry.

**KING OF MARKET** (Everbearing red)—The vines in the fall are so laden with large, brilliant red berries, that they are bent to almost breaking in a rainbow shape.

**KING OF CLIFFS** (Everbearing black)—This is the most wonderful black Raspberry ever introduced; delicious flavor, extra early, extra large and wonderfully productive.

**HONEYSWEET**—Glossy black, extra large, firm, rich of honey flavored sweetness and very lucious, and produced in great abundance.

## BLACKBERRIES

Price of Blackberries, Postpaid.

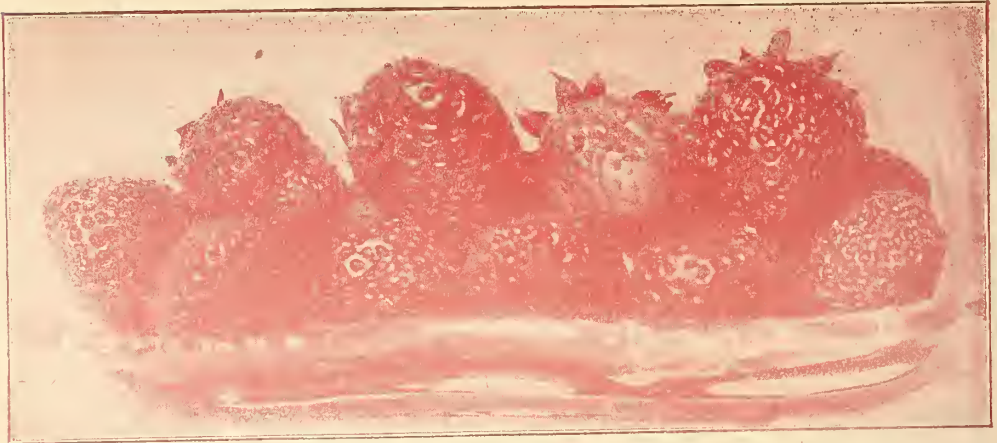
	3	Doz.	25	100
Cory Thornless.....	\$.75	\$2.50	\$4.00	\$15.00
Texas Everbearing.....	.50	1.25	2.00	7.00
Ambrosia .....	.50	1.25	2.00	7.00
Hoco .....	.50	1.25	2.00	7.00

**CORY THORNLESS**—The Greatest Blackberry Wonder. Smooth as a grape vine. Mammoth in size; enormously productive; extra early; delicious flavor and will add Millions to the Fruit Growers.

**TEXAS EVERBEARING**—The most productive blackberry in cultivation; extra large, averaging as large as a Man's Thumb. One grower claims that he gathered 108 quarts from a doz. vines in one season.

**AMBROSIA**—The earliest blackberry in cultivation; berries extra large, very productive; long, meaty, sweet, and of unsurpassing quality.

**HOCO**—(Honey Coreless)—Mid-season; enormously productive; producing 8,500 quarts per acre; fine flavor, sweet, juicy and delicious.



## WORLD'S CHAMPION STRAWBERRIES

### STRAWBERRIES

Price of Strawberry plants, by Mail. By Express

	25	50	100	500	1000
World's Champion					
Everbearing ..	\$1.00	\$1.75	\$3.00		
World's Wonder..	.75	1.25	2.25	\$7.00	\$13.00
Klondyke, Imp...	.50	.75	1.25	2.75	5.00
Extra Early Giant	.50	.75	1.25	3.75	7.00

**WORLD'S CHAMPION**—The most productive of all the Everbearing varieties. 275 being on 1 plant 60 days after planted. Bears all fall, 'til hard freezing.

**WORLD'S WONDER**—Berries extra large, bright, red, fine delicious flavor and enormously productive.

**EXTRA EARLY GIANT**—Earliest large strawberry in cultivation; bright deep red; flavor unsurpassed; great market berry and fine for home use.

## RHUBARB

Burbank's Giant Crimson

This is the earliest, tenderest, sweetest and best for sauce and pies, with broad thick red stalks; productive and lasts all summer. Strong roots 3 for 50c.; 7 for \$1.00; 15 for \$2.00 Postpaid.

## ASPARAGUS

**NEW PERFECTION**—Extra large purple stalks; very tender and delicious. Extra early and productive. Strong roots Doz. 50c.; 100 \$1.50 by Mail.

Order direct from this folder. If anything is wanted that is not in this folder, write for our large illustrated Catalogue FREE.

**ALEXANDER CO. NURSERIES** 105 N. MAIN STREET  
McCLURE, ILLINOIS

## APPLES THAT ARE MONEY-MAKERS

Our trees are grown on land especially adapted to the Apple. We use whole roots and have the best rooted trees we have ever seen; they are grafted from the best bearing orchards in the State, we cut our buds and cions from varieties that we know to be absolutely true to name and of the highest fruiting qualities; hence we have trees second to none in the country.

### Wholesale prices on Apple Trees.

	Each	10	25	50	100
1 and 2 years old budded and grafted.					
2 to 3 feet 1 year..	\$.25	\$2.00	\$4.50	\$8.00	\$15.00
3 to 4 feet 1 year..	.40	3.50	7.50	13.00	25.00
4 to 5 feet 2 year..	.50	4.50	11.00	21.00	40.00
5 to 7 feet 2 year..	.75	7.00	16.00	31.00	60.00
Special prices on 500 and 1000 lots and on larger sizes.					

Our 5 to 7 feet trees are extra fine and will soon come into bearing. Just the tree to plant in the yard, garden or to reset an orchard with.

Write for special prices on 500 or 1000 lots.

## SUMMER VARIETIES

**YELLOW TRANSPARENT**—Very hardy, beautiful waxy yellow; fine grained, crisp and juicy. Medium to large and a great table and market variety.

**LIVELAND RASPBERRY**—Beautiful red and yellow apple; medium size; flesh snow white, tender and fine grained.

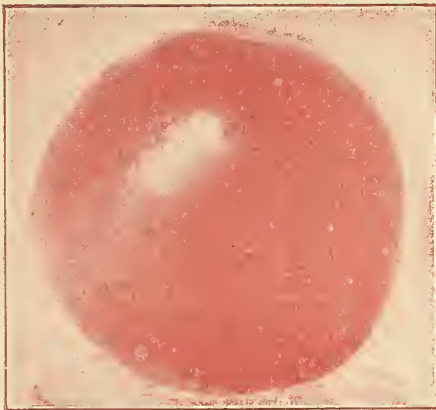
**WILSON RED JUNE**—Large size, red color, flesh firm, fine grained and excellent flavor. Tree hardy, vigorous and productive.

## FALL AND WINTER VARIETIES

**GOLDEN PIPPIN**—It is far richer, spicier, juicy and finer flavored than Grimes, Golden, deep, rich golden color; handsome and fine for eating.

**GRIMES GOLDEN**—Large attractive, clear rich, sweet, fine flavor and quality.

**JONATHAN**—A great favorite; medium to large size, red in color, flesh white, tender, juicy and rich.



### BALDWIN APPLE

**BALDWIN**—Large; bright red, crisp, juicy, rich and very productive. 681 bushels of apples was taken from one acre in one season.

**BANANA**—Large; golden shaded red; flesh firm with a fine flavor; good keeper and a money maker.

**DELICIOUS**—Large dark red; flesh fine grained, crisp, juicy, melting and delicious; very attractive and a great market apple. Tree very hardy productive and a thrifty grower.

**STAYMAN'S WINESAP**—Champion of all winter apples; best for market and family use; large, greenish yellow, mixed with dark red. Flesh rich, firm, juicy and mild.

**WINESAP**—A well known standard variety of excellent quality and flavor.

## CRAB APPLES

**YELLOW SIBERIAN (Golden Beauty)**—Large; golden yellow; crisp, juicy, splendid for eating or cider.

**RED SIBERIAN**—Same as the above except the color is red.

## STANDARD PEARS

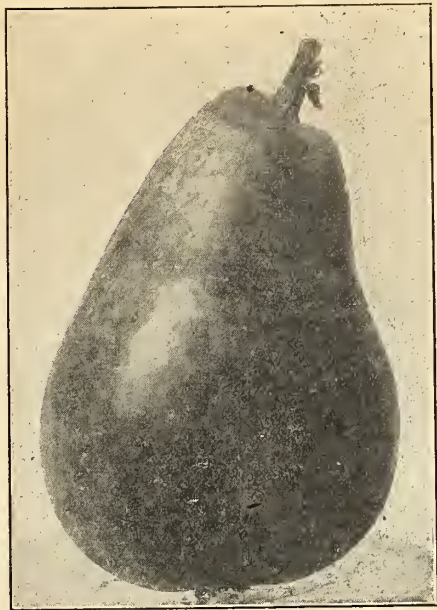
The Pear is the highest quality of all fruits. You can get all the refreshing acid, rich in spices, the honeyed sweetness, and delicacy of flavor from the Pears growing in your orchard. You can have pears from early summer until Christmas by planting the right varieties.

### Wholesale Price of Standard Pears.

	Each	5	10	25	50	100
3 to 4 feet	\$.65	\$3.25	\$6.00	\$12.50	\$24.00	\$47.00
4 to 6 feet	.80	4.00	7.50	16.00	31.00	60.00

### Price of Bosc and Lincoln Pear

	3 to 4 feet	4 to 6 feet
Bosc	\$.90	1.00
Lincoln	\$1.25	4.75
Price	\$8.00	9.00
Price	\$18.00	20.00
Price	\$35.00	
Price	\$65.00	



### BOSC PEAR

**BOSC PEAR**—The king of Pears, after fruiting it many years we find it to be one of the most perfect pears grown. Extra large size, beautiful shape and color; sweet and very delicious; keeps and ships well; heavy yielder and begin to bear when quite young; vigorous healthy grower, free from blight; one of the best for family use.

**LINCOLN PEAR**—One of the greatest pears ever introduced; blight proof; large size, extra fine quality, heavy cropper; tree hardy, healthy, and enormously productive. Best for eating fresh, canning, preserving and general family use.

**BARTLETT**—Old standard excellent variety; of melting, luscious flavor; clear rich yellow, handsome.

**FLEMISH BEAUTY**—Large rich and very juicy. Buttery of vinous flavor.

**KEIFFER**—Large, golden yellow when ripe; juicy with quince flavor; fine for canning.

Order direct from this folder. If anything is wanted that is not in this folder, write for our large illustrated Catalogue FREE.

**ALEXANDER CO. NURSERIES** 105 N. MAIN STREET  
McCLURE, ILLINOIS

## PEACHES THAT PAY

Our varieties consist of only the cream of all the varieties either for Market or Home use. Our trees are hardy, healthy, thrifty and strictly first-class, properly budded, hand pruned, well rooted and full of life and vitality.

### Wholesale price of First-class Peach Trees.

	Each	10	25	50	100
1 to 2 feet.....	\$ .25	\$2.00	\$4.50	\$8.00	\$15.00
2 to 3 feet.....	.30	2.75	5.50	10.50	20.00
3 to 5 feet.....	.50	4.50	10.50	20.00	38.00

Add 3c. each if wanted by Parcel Post.



### PONDEROSA PEACH

**PONDEROSA (Famous) The Giant Four-in-One Peach.**

The new variety that is making growers, rich. Did you ever eat anything so rich, delicious and good in all your life? You will say this as thousands of others have said many times, when you taste the Ponderosa, "most delicious of all peaches." Great flashing red and yellow beauties, with a crisp, tender juicy laden flesh and an indescribable exquisite flavor, its veritable nectar, clear seed, melting, all that a perfect peach can be. Tree enormously productive, thrifty, healthy and very hardy; early bearer. Flesh rich cream yellow, firm, fine grained, sweet and luscious. Fruit extra large, oblong and of uniform in size. Price 2 to 3 feet trees 50c.; 10 for \$4.50; 100 for \$40. 3 to 5 feet trees 65c.; 10 for \$6.00; 25 for \$12.50.

**ROCHESTER**—The earliest real good yellow freestone peach we know of. Of Elberta type. Fruit large, yellow, red blush and very handsome. Tree hardy and productive.

**EARLY ELBERTA**—It is of the Elberta type, mid season, freestone, meat yellow, crisp and firm. A great commercial variety.

**ELBERTA**—An old standard yellow freestone variety. This variety is very extensively planted in all commercial orchards.

**J. H. HALE**—Extra large freestone yellow meated variety that is becoming very popular in all peach growing sections. Skin deep crimson, smooth, tight and without fuzz.

**BELLE OF GEORGIA**—Mid-season white fleshed freestone. Has been called a red and white Elberta.

**MAMMOTH HEATH CLING**—One of the sweetest, juiciest, most delicious, of all peaches—the housewife's favorite for canning and preserving. Large size, red blush, white meat and flesh very juicy.

**CARMAN**—Skin creamy white with a red blush, flesh tender, white with red blush. Tree hardy and very productive.

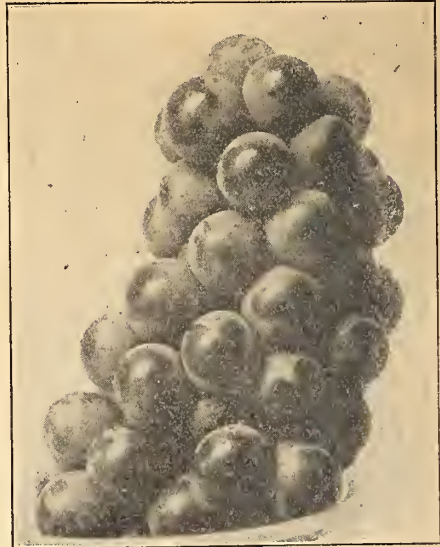
**CHAMPION**—Fruit large, beautiful in appearance, flavor very delicious, skin and flesh creamy white with a red cheek.

## SELECT GRAPES

### Wholesale Price of Grape Vines

	Each	10	25	100
Hubbard .....	\$ .75	\$5.00	\$12.00	\$40.00
Marvelous .....	.30	2.50	4.50	15.00
Concord .....	.20	1.50	3.00	10.00
Caco .....	.40	3.50	8.00	30.00
Worden .....	.30	2.50	4.50	15.00
Niagara .....	.25	2.25	4.00	15.00
Moore's Early.....	.25	2.25	4.00	15.00

Write for prices on 500 to 1000 vines.



### HUBBARD GRAPES

**HUBBARD**—The wonderful Table grape, the finest and sweetest early black grape in cultivation. Pulp melting, flavor pure and refined, brisk, refreshing and honey sweetness. Berry and bunch extra large, compact, jet black and very few seeds.

**MARVELOUS**—Extra large size, bunch and berry; very early, productive and hardy. Sweetest and best in quality, pulp sweet, melting and tender.

**CONCORD**—This is an old standard variety for quality, size, yield they are unsurpassed.

**CACO**—The most delicious of all pink or red grapes. Berry extra large, bright wine red; skin thin, tender and melting. Rich in sugar, sweet, tender and very delicious.

**WORDEN**—Very hardy, healthy, vigorous and productive. Bunch and berry large. Earlier than Concord.

**MOORES EARLY**—Bunch and berry very large; very productive, sweet, tender and ten days earlier than Concord.

Order direct from this folder. If anything is wanted that is not in this folder, write for our large illustrated Catalogue FREE.

**ALEXANDER CO. NURSERIES** 105 N. MAIN STREET  
McCLURE, ILLINOIS

**CALIFORNIA SEED COMPANY**  
147-149 Market St., San Francisco, Cal., U. S. A.

**Please forward the following ORDER for amount enclosed (write your name and address distinctly):**

Name \_\_\_\_\_

Street \_\_\_\_\_ P. O. Box \_\_\_\_\_

Post Office \_\_\_\_\_ R. F. D. No. \_\_\_\_\_

County \_\_\_\_\_ State \_\_\_\_\_

Forward Goods by \_\_\_\_\_

State whether by Mail, Express (and company),  
Freight (and route), Steamer (and line).

Name of Station or Exp. Office \_\_\_\_\_

**Amount Enclosed**

**P. O. Money Order**.....

**Exp. Money Order**.....

**Draft**.....

**Cash**.....

**Stamps**.....

**Total**.....

**Date**....., 192

NOTICE—We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, plants or bulbs we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once. California Seed Co.

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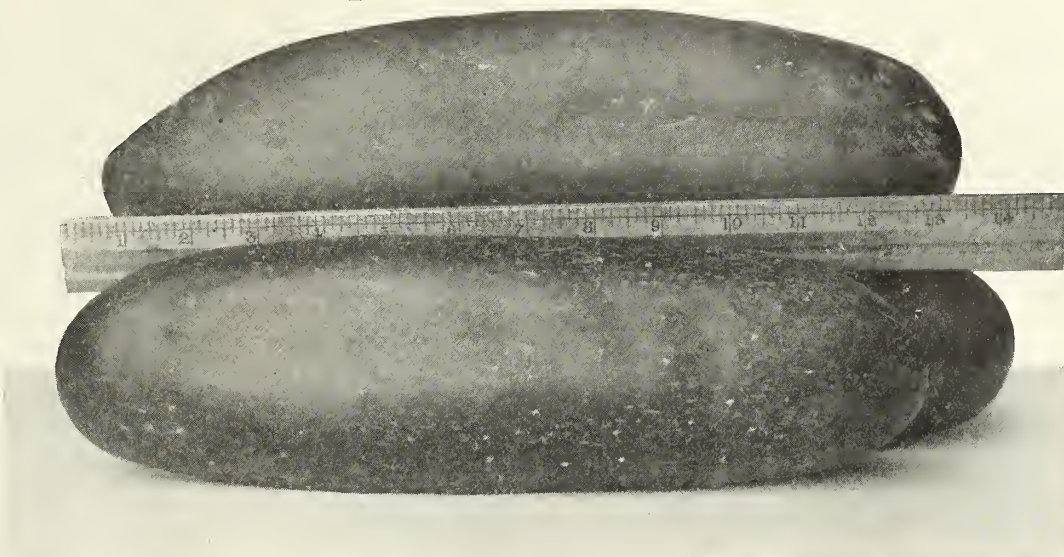
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We Prepay Charges anywhere within the Fourth Zone on all vegetable, flower, field and grass seeds in packets, ounces, one-pound and ten-pound lots. Tools, fertilizers, insecticides and nursery stock are not prepaid except where noted. The postage charges on articles not marked postpaid can be computed at zone rates below:

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc.,  
within the U. S. and Possessions.

Please do not ask questions on this Order Sheet, but kindly write them and all communications requiring an answer on a separate sheet of paper, and inclose with your order. Be sure that your Full Name and Address are on both Letter and Order.

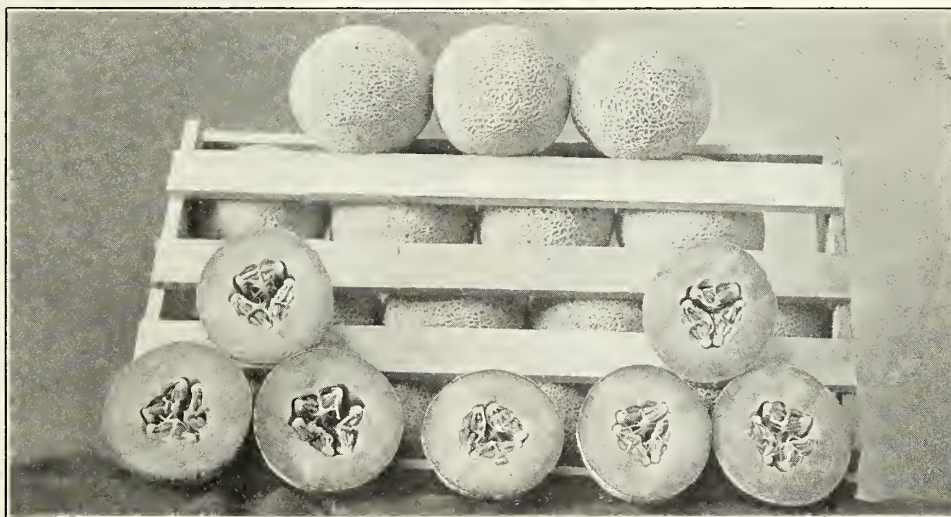
## Specialties—Continued



IMPROVED LONG GREEN CUCUMBER (See Page 14)

### MUSK MELON POLLOCK TEN-TWENTY-FIVE

This is the Standard Musk Melon. Hundreds of cars of these melons are shipped from California to Eastern Markets every year. The melons are nearly round in shape, with no ribbing, and are densely netted all over. The seed cavity is small, flesh thick, of fine texture, color salmon tint throughout. The photograph below was taken of a crate of melons raised from our private stock seed, showing the uniformity of size and thickness of flesh. See page 17.



MUSK MELON POLLOCK TEN-TWENTY-FIVE-10-25

### CORN GROWERS, ATTENTION!

**Our Howling Mob Sugar Corn** produced such remarkable crops last season and we had so many testimonials that we ask every one wanting an early table corn to plant this variety by all means. (See illustration on cover and page 13.)

### IMPROVED LEAMING YELLOW DENT CORN (Iowa Grown)

If you want the best corn on the market to feed your stock or fill your silo, our Improved Leaming (Iowa grown) will fill the bill. Mr. Collins, of the Shore Acres Dairy, San Leandro; Mr. Fox, of the Central Creameries, Knightsen; and many others stated it produced more feed than any corn they ever planted. (See page 13.)

CALIFORNIA SEED COMPANY'S HIGHEST QUALITY

# Tested Vegetable Seeds

All packets, ounces, 1/4-pound, pound, and 10-pound prices are postpaid anywhere within the 4th Zone. Customers using larger lots of seed are entitled to a special price and should write to us for market prices.

The following Vegetables listed in this catalog are the tried and proven varieties for home and market garden use.

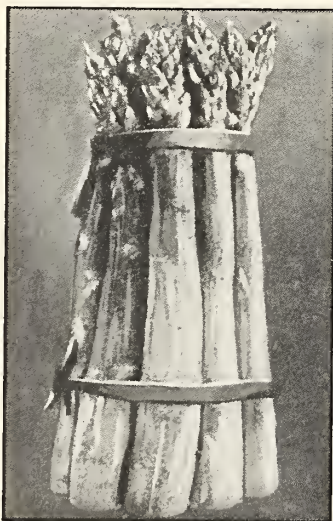
## Artichoke

We can furnish selected plants of French Green Globe Variety from January 1st to May 1st. Price, 10c each; \$1.00 per dozen. (Weight per doz., 6 lbs.)

Artichoke Seed—Large Green Globe. Pkt., 15c; oz., \$1.25. Jerusalem or Tuberous-Rooted Artichoke—Per lb., 20c; 10 lbs., \$1.50. (Write for market prices on larger quantities.)

## Asparagus

One ounce will sow 50 feet of row, and produce about 800 plants. Sow the seed early in spring in drills 12 to 14 inches apart, and when well started thin out to 3 inches apart. When one or two years old, transplant into permanent beds, thoroughly trenched, 2 feet or more in depth. Set the plants in rows 2 feet apart, and not less than 18 inches apart in the row. Care should be taken that the roots are well spread, and set at a depth of 6 inches below the level of the bed. Cover only 2 or 3 inches, and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every fall after the tops have been cut down apply a dressing of coarse manure, and in the spring fork it in. An occasional top-dressing of salt at the rate of one-half pound per square yard is also beneficial, and keeps down the weeds.



PALMETTO

	Pkt.	Oz.	1/4-lb.	Lb.
Conovers Colossal, white .....	.10	\$.20	\$.45	\$1.25
Palmetto, green .....	.10	.20	.45	1.25

### ASPARAGUS ROOTS

A saving of one or two years is effected by planting roots. A bed 12 by 40 feet, requiring about 100 roots, should give a sufficient supply for an ordinary family. If planted in rows 3 feet apart and 2 feet between the plants, 7,260 roots will plant an acre. 35c dozen, \$2.50 per 100.

## Beans

### DWARF OR BUSH BEANS

One pound will sow 100 feet of drill; 40 pounds are required for an acre. They will thrive in any good soil. Plant the seeds 2 inches deep and 3 inches apart, in rows 2 feet apart. Keep well cultivated, as no crop better repays extra labor in this direction.



BURPEE'S STRINGLESS GREEN POD

## Burpee Stringless Green Pod

We consider this the finest dwarf green pod bean. Very productive, early and of finest quality. Pods are very tender and entirely stringless, even when fully matured. Pkt. 15c, lb. 35c, 10 lbs. \$3.00.

## Beans—Continued

### DWARF GREEN BEANS

French Garden Haricot, long, slender, green pod	Pkt. .15	Lb. 10 lbs. \$ .35	\$3.00
Early Mohawk, straight green flat pod	.15	.35	3.00
Early Refugee, very productive, round pod	.15	.35	3.00
Early Valentine, round, thick, solid pod	.15	.35	3.00
Canadian Wonder, prolific, long, flat pods	.15	.35	3.00
English Broad Windsor or Horse Bean	.10	.20	1.50

### DWARF WAX BEANS

**GOLDEN WAX**—A standard sort. One of the earliest beans in the market. The pods are of good length, flat, but quite thick and broad. They are waxy, golden yellow, and of fine, buttery flavor. Hardy and productive. Pkt. 15c, lb. 40c, 10 lbs. \$3.50.

	Pkt.	Lb. 10 lbs.	
Davis Crystal Wax, large, brittle, very productive	.15	\$ .40	\$3.50
Black Wax, early, tender and prolific	.15	.40	3.50

### BUSH LIMA BEANS

**HENDERSON'S BUSH LIMA**—Grows in compact bush form about 18 inches high. The beans are small in size, but of delicious flavor and great productiveness, and about two weeks earlier than the others. Pkt. 15c, lb. 40c, 10 lbs. \$3.50.

**BURPEE'S BUSH LIMA**—A bush form of true, large Lima. A good yielder, bearing a handsome, large pod, well filled. Pkt. 15c, lb. 40c, 10 lbs. \$3.50.

### POLE OR RUNNING BEANS

One pound will plant 50 hills; 30 pounds will plant an acre. The soil should be mellow, rich and warm. Lay the ground out in hills 4 feet apart each way, and set poles 8 or 10 feet long firmly in the hills before putting in the seed. Plant 5 or 6 beans in a hill, and cover about 2 inches deep; leave 3 healthy plants at each pole, and when a few inches high draw a little earth around them as support. They may also be grown without poles, leaving the vine to run. Use the cultivator freely to keep the soil mellow and clean.

**KENTUCKY WONDER**—This is the most famous of the pole beans and hard to beat. The pods are very long and tender and without strings. You will make no mistake in planting this excellent bean. Our seed is hand-picked. Pkt. 15c, lb. 35c, 10 lbs. \$3.00.

Pkt. Lb. 10 lbs.

**King of the Garden Lima**, immense yielder, best quality .15 \$ .35 \$3.00

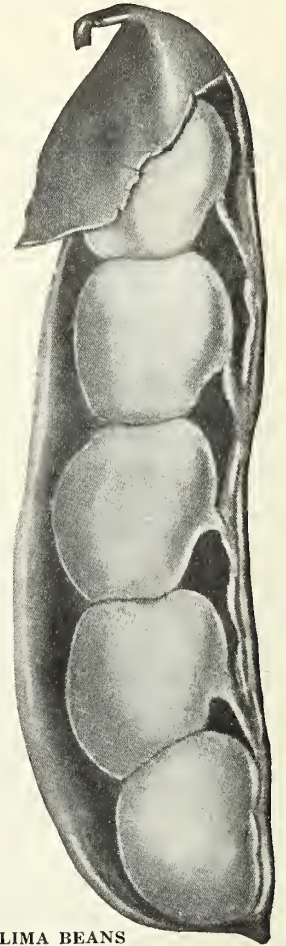
**London Horticultural, or Italian**, pods long, flat, absolutely stringless and finest flavor; vines continue bearing for a long period .15 .35 3.00

**Blue Lake Creaseback**, tender, prolific and crisp .15 .35 3.00

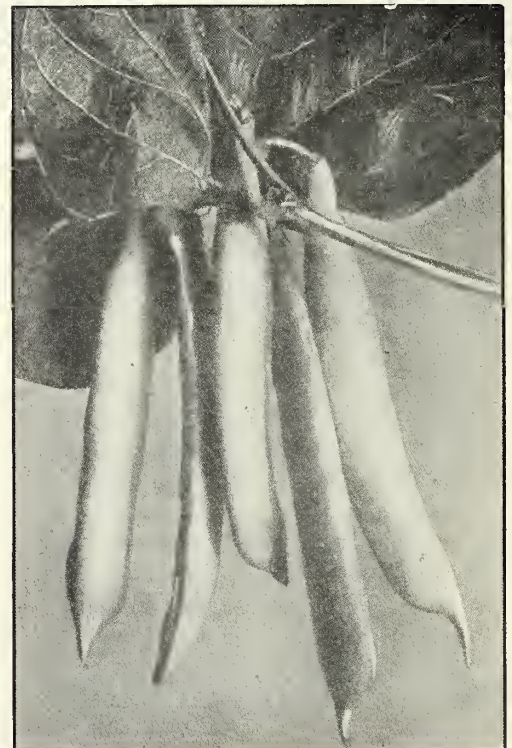
**Burger's Stringless**, one of the best, stringless .15 .35 3.00

**Kentucky Wonder Wax**, golden yellow podded, stringless bean, highly productive, tender, crisp and of very fine flavor .15 .40 3.50

**Scarlet Runner**, ornamental and very prolific, producing bright scarlet flowers .15 .40 3.50



BURPEE BUSH LIMA BEANS



GOLDEN WAX

WRITE FOR PRICES ON LARGER  
QUANTITIES



KENTUCKY WONDER

## Beets for Table Use

The soil best suited for Beet culture is that which is rather light and well enriched. Sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand 6 inches apart in rows; continue for a succession as late as the middle of July. Keep well cultivated. One ounce will sow 50 feet of drill; 5 or 6 pounds for an acre.

### DETROIT BLOOD BEET

The Detroit is one of the best of the dark red turnip beets for main crop. The roots are of perfect turnip shape, always smooth, with a small tap root. The color of the skin is dark blood red and the flesh deep vermilion red, zoned with a lighter shade. The quality is the very best, sweet and tender. Has a handsome and dark rich color and its delicious taste make it an ideal table Beet. It is also a very desirable sort for the market gardener as it is fine for bunching and its small upright growing tops allowing close planting, making possible the biggest yield per acre of any turnip-shaped variety. Splendid for either summer or fall use, and good for storing over winter. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.



CROSBY'S EGYPTIAN BLOOD

### CROSBY'S EGYPTIAN

Roots are smooth and round in form; of finer quality than the regular Egyptian, combined with same extra-early maturity. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

### LONG DARK BLOOD

Tops large, with good sized, long roots, tapering and growing even with the surface; dark red; flesh sweet and tender, remaining so until spring. A popular winter sort. An excellent keeper. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

### CALIFORNIA EARLY BLOOD TURNIP

A favorite early variety. Roots turnip-shaped, dark red; fine flavor, tender and sweet. Good for winter. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

### ECLIPSE

An extra early variety with round, smooth, blood-red roots. Matures very early and is popular both for market and home garden. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

### BASSANO

A favorite with the canneries. A deep dark blood red Beet of excellent quality. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

## Swiss Chard or Spinach Beet

No vegetable requires less care than this, and it is safe to say that none yields as constantly as this spinach, producing uninterruptedly from July until winter. Also called "Cut and Come Again Spinach."

Sow early in spring, in rows 16 inches apart, and thin out to 6 inches apart in the rows. It can be used all summer when spinach is not available. Later the leaves grow very large, with broad, flat, pure white stems and mid-ribs, which may be cooked like asparagus or made into very good pickles. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.



SWISS CHARD GIANT LUCULLUS

### SWISS CHARD, GIANT LUCULLUS

The largest of all Chards. Very distinct, the leaves being well crumpled. Blonde in color, with broad ribs. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.75.

## Mangel Wurzel and Sugar Beet

Five or six pounds will sow one acre. The seed should be planted in rows 2 feet apart and thinned to 8 inches in the rows. To obtain the best results from this crop, use deep soil well plowed. The value of beets for stock feeding cannot be overestimated. The results from their use are clearly shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving of hay. They can be raised at a trifling cost, and selected seed will yield immense crops per acre. 140 to 150 days required from sowing to maturity.



GOLDEN TANKARD

When the fact is considered that 50 tons of Mangel Wurzel may be grown on a single acre, at a small outlay, the wonder is that every farmer does not profit by it. Mangels grow to a larger size and will produce a greater bulk of roots per acre than sugar beets, but the latter are richer in quality and of superior feeding value.

As all mangels require a deep soil in order to grow well, plow and subsoil at least a foot to eighteen inches, and apply plenty of rich stable manure. Sow in April to June, in rows eighteen inches to two feet apart, and thin to eight inches in the rows. Young plants may be transplanted to fill up vacancies. As soon as frost occurs, dig the crop.

### GIANT HALF SUGAR

The roots of this new mangel are more valuable, pound for pound, than those of the best strain of sugar beet, supplying food of very much higher nutritive value, and not only are they of better quality but they yield more than twice as much. The roots grow partly out of the ground, which renders the harvesting of the crop very easy. Every progressive farmer should try this new food. Pkt. 10c, lb. 65c, 10 lbs. \$6.00.

### DANISH SLUDSTRUP

Long, reddish-yellow; grows well above the ground and easy to pull. The mangel is very large, frequently weighing from 15 to 20 pounds. It has repeatedly been awarded a first-class certificate by Danish Government, and is doubtless the best mangel in the world. No other crop can match it. Pkt. 10c, lb. 65c, 10 lbs. \$6.00.

### DARK RED GIANT ECKENDORF

Is of cylindrical form and grows mostly above the surface, and, like the Sludstrup, is very easy to pull. It has been awarded first-class certificate by the Danish Government for its merit as a very heavy cropper, a farmer there having grown 58 tons on one acre. Pkt. 10c, lb. 70c, 10 lbs. \$6.50.

### GOLDEN TANKARD

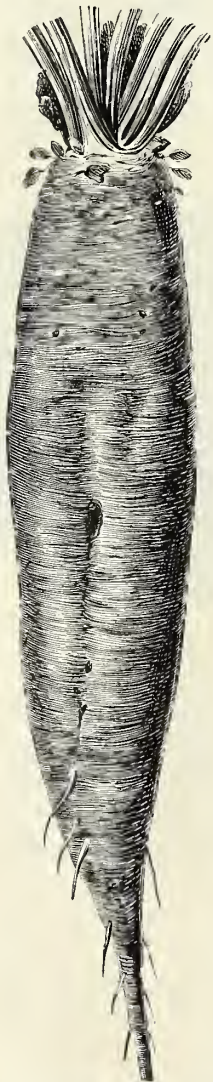
A superior strain of golden-fleshed mangel; roots half long and very large. It is particularly rich in milk-producing qualities. It is very easily pulled; exceedingly hardy. Pkt. 10c, lb. 65c, 10 lbs. \$6.00.

### MAMMOTH LONG RED

This is truly a mammoth, a single root often weighing 30 pounds. Enormously productive, smooth and regular in shape, with a small top. They grow half above ground, and are easily harvested. Pkt. 10c, lb. 65c, 10 lbs. \$6.00.

### KLEIN WANZLEBEN SUGAR BEET

This is considered the most desirable variety for sugar. It is also desirable for feeding to stock. The roots, while rather shorter than some varieties, are thicker in diameter, and yield an immense crop on rich land. The largest diameter is at, or just below, the surface of the soil, then tapering rather quickly. Pkt. 10c, lb. 80c, 10 lbs. \$7.00.



MAMMOTH LONG RED

WRITE FOR SPECIAL PRICES ON LARGER QUANTITIES

## Cabbage

It is difficult to give definite cultural directions for cabbage, since it is possible to have good cabbage at all seasons of the year in some parts of the country, and seed can be planted almost any time of the year. There are three good seasons for sowing the seed, however—in September for early spring cabbage, in March for summer and fall cabbage, and in June or July for winter cabbage. The seed sprouts quickly, and it is likely to come up very thick in the seed bed. It should be thinned early, or the plants become spindly, and then do not head well. Transplanted to the field, they should be put twelve inches apart, in rows eighteen inches apart. To prevent the heads splitting open in the field before they are ready to be harvested, the plants should be loosened a little at root. Cabbages require considerable moisture, but too much water causes them to rot very readily.



EARLY WINNIGSTADT

**WONG BOK—(Chinese Cabbage)**—Culture: Grow it as you do lettuce. Transplant 10 inches apart in rows 12 inches apart. Boiled with beef or pork it is excellent, having a much more pleasing flavor than cabbage. The inner leaves make better cold-slaw. Pkt. 10c, oz. 50c, ¼ lb. \$1.50, ½ lb. \$2.50, lb. \$5.00.

**EARLY WINNIGSTADT**—The heads are of the same size as the Jersey Wakefield, but more sharply pointed and not so early. The leaves are rich dark green, slightly glossy, most tightly folded, the heads being the hardest of any early Cabbage. By reason of its great solidity it is a popular variety also to plant in the summer for winter use or cutting for Kraut. Pkt. 10c, oz. 35c, ¼ lb. \$1.25, lb. \$4.00.

**COPENHAGEN MARKET**—The new Danish cabbage and the earliest ball-shaped variety; two weeks later than the Early Jersey Wakefield. The heads are solid, of fine quality, with small cores and weighing about 10 pounds each. Pkt. 10c, oz. 50c, ¼ lb. \$1.50, lb. \$5.00.



## Brussels Sprouts

One ounce will produce 3000 plants. Sow as directed for Cabbage, and set the plants 2½ feet apart each way. They require a long season of growth, but with suitable soil and liberal manuring an excellent crop of this most delicious vegetable can be secured.

**Improved Half Dwarf**, best and purest strain. Pkt. 10c, oz. 40c, ¼ lb. \$1.25, lb. \$4.00.

BRUSSELLS SPROUTS

## Broccoli

Should be treated the same as cauliflower, which it resembles. In fact, it is practically a summer cauliflower, more divided in the head, grows larger and taller and is hardier and easier to grow. It requires two months more time and matures best in cool weather. Plant and cultivate the same as cabbage or kale and give plenty of water.

**ST. VALENTINE**—Forms large white heads, and is very largely grown in Oregon and shipped to Eastern markets in carload lots. California is now raising this splendid sort, too. Pkt. 15c, oz. \$1.50, ¼ lb. \$5.00, lb. \$17.00.



LARGE FLAT DUTCH CABBAGE

**PREMIUM LARGE FLAT DUTCH**—This is a cabbage of prominent economic importance to the home and market gardener alike, and is generally conceded the safest for the beginner to plant. It is an all season cabbage in every sense of the word; has a reputation for heading uniformly. Its exceptional vigorousness will produce a head under the most adverse conditions. Considered one of the best sorts for Kraut. The heads are very large, nearly round, extremely hard and solid. They are small ribbed and even; if planted very late, will keep well and are much to be preferred to the big ribbed winter sorts. Pkt. 10c, oz. 40c, ¼ lb. \$1.25, lb. \$4.00.

	Pkt.	Oz.	¼-lb.	Lb.
All Seasons, a fine fall and winter sort.....	\$ .10	\$ .35	\$1.25	\$3.75
Surehead, round, flattened heads, good keeper.....	.10	.40	1.35	4.00
Early Jersey Wakefield, fine large blunt heads.....	.10	.35	1.00	3.50
Early York, very early, excellent quality.....	.10	.35	1.25	3.75
California Succession, good main crop variety.....	.10	.40	1.25	4.00
Large Late Drumhead, very solid, large and round.....	.10	.40	1.30	4.00
Savoy Drumhead, leaves very curly, hard head.....	.10	.50	1.50	5.00
Red Rock, a good winter variety, very firm.....	.10	.50	1.65	5.00
Danish Ball Head, very solid.....	.10	.50	1.35	5.00

## Carrots

Carrots, to grow to perfection, require a rich, deep, sandy loam, well pulverized and deeply cultivated. For an early crop sow in March and April in drills about 1 foot apart, thinning out to 4 inches in the row; sow for main crop in August and September. The large, late varieties for field culture should be sown in drills 3 to 3½ feet apart, so as to cultivate by horse. An important point in sowing Carrots, as in all other seeds, is to tread the row firmly after sowing. One ounce will sow over 100 feet of drill; 3 to 4 pounds for one acre.

### DANVER'S HALF LONG CARROT

#### Highly Prized for All Uses

The virtual dependence placed in this Carrot throughout the states naturally makes Danver's Half Long one of the leading varieties. Its reputation as a reliable quality carrot is universal.

A splendid semi-stump-rooted Carrot of rich orange shade and most excellent flavor. Much sought, and always sells at good prices in all markets. Grown mostly on account of their great productiveness and adaptability to all soils. Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. \$1.25.

### ST. VALERY CARROT

This is a variety of the largest size. The roots are uniform in size and form, smooth, and free from small rootlets, penetrating the soil very deeply. Of gradually tapering shape, holding thickness well throughout the length; rich, deep orange coloring. It is a good keeper, of fine quality for winter use, and extensively grown for stock feeding. Pkt. 10c, oz. 20c, ¼ lb. 35c, lb. \$1.25.



DANVER'S HALF LONG

	Pkt.	Oz.	¼-lb.	Lb.
Early Scarlet Horn, very early, and sweet.....	\$ .10	\$ .20	\$ .40	\$1.25
Chantenay, half long, stump root.....	.10	.20	.35	1.00
Long Orange Improved.....	.10	.20	.35	1.00
Large White Belgian, for stock.....	.10	.20	.35	1.00
French Forcing, round, tender and sweet.....	.10	.20	.40	1.50
Oxheart, a good market garden sort.....	.10	.20	.35	1.25

## Celery

Sow the seed in open ground as soon as fit to work in April, or for very early use in hot bed or cold frame. Cover very lightly. Rolling or pressing in the seed has been found more satisfactory than covering. Cut the tops off once or twice before planting out, to make them stocky. When the plants are five or six inches high, transplant the dwarf varieties three feet, and the taller sorts four or five feet between the rows. Plant six inches apart in rows. Cultivate well, and when large enough blanch by earthing up. One ounce to 5000 plants. About ½-pound per acre.

### Golden Self-Blanching

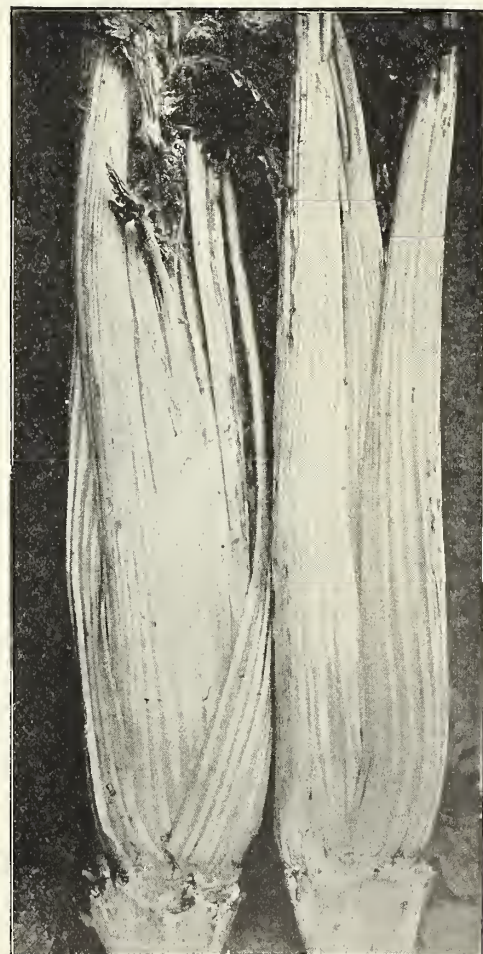
Its close habit, compact growth and straight, vigorous stalks are indescribable. The ribs are thick, broad, fleshy and the hearts large and solid. As the plants mature, the inner stems and leaves turn a beautiful golden yellow. They require to be earthed or boarded up for a short time only.

It is a vigorous dwarf grower and quite early, easy to cultivate and of handsome waxen yellow color. Its superb quality, entire freedom from stringiness, its crispness and tenderness and its delightful, rich, nutty flavor make this variety the leading celery in many markets. Genuine imported French seed. Pkt. 15c, oz. \$1.50, ¼ lb. \$5.00, lb. \$15.00.

	Pkt.	Oz.	¼-lb.	Lb.
Improved White Plume, very early, solid and crisp.....	\$ .10	\$ .35	\$1.20	\$3.50
Giant Pascal, fine keeper, large late sort.....	.10	.35	1.10	3.50
Dwarf Golden Heart, solid and fine flavored, golden yellow heart.....	.10	.35	1.20	3.50
Flavoring Celery, for soups, tea, etc., ½ lb. 30c, lb. 50c.				

### CELERIAC OR TURNIP-ROOTED CELERY

Sow seed same as Celery; transplant into rows 2 feet apart and about 6 to 8 inches in the row. No earthing up is required for Celeriac, as it is the roots which are the edible portion of the vegetable. For winter use, pack in damp sand or earth in cellar, or cover with straw and earth inside. Best of its kind. Pkt. 10c, oz. 35c, ¼ lb. \$1.20, lb. \$3.50.

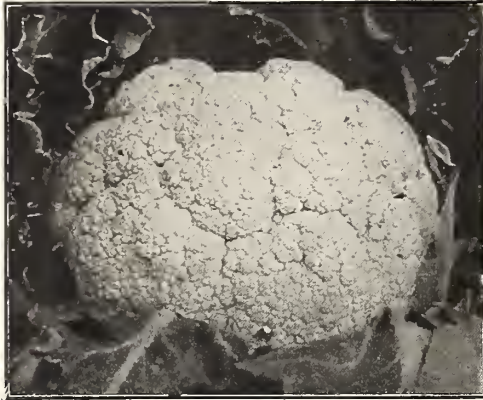


GOLDEN SELF-BLANCHING CELERY

MARKET GARDENERS SHOULD WRITE FOR SPECIAL PRICES IN QUANTITY

# Cauliflower

The planting of cauliflower is easy and is much the same as that of cabbage. It does not make a good summer crop, however, as it will not head up in hot weather. Cauliflower is especially popular as a fall and winter crop, and with market gardeners proves a profitable crop, owing to the scarcity of good market vegetables when cauliflower is at its best. It is easy to grow in the garden, providing the soil is made rich and porous. Sow the seed any time from July until January. The young plants should be thinned, since they become very spindling if allowed to grow too thick and never thoroughly recover. Set in 24-inch rows, 20 inches apart.



SNOWBALL

## IMPROVED EARLY SNOWBALL

We know of no better type of this variety—very early, smooth, rounded heads (see illustration opposite), fine grained, compact and even in size. The Snowball is now the standard variety the country over. Good for either home use or market. Pkt., 25c; ¼-oz., \$1.00; oz., \$4.00; ¼-lb., \$12.00.



## CALIFORNIA CAULIFLOWER

One of the finest late varieties. Heads large, compact and thoroughly protected by the leaves. Pkt., 10c; ¼-oz., 40c; oz., \$1.50; ¼-lb., \$4.50; lb., \$12.00.

	Pkt.	Oz.	¼-lb.	Lb.
Extra Early Dwarf Erfurt, good market variety .....	.25	\$4.00	\$12.00	\$40.00
Autumn Giant, very large, late....	.10	1.50	4.50	12.00

## Chervil

Can be planted any time in the early spring. The leaves should be kept cut, and if not allowed to run to seed, will keep green for a long time. Is more finely curled and handsome than Parsley, and makes an excellent plant for garnishing.

	Pkt.	Oz.	¼-lb.
Double Curled Sweet Parsley .....	.10	\$ .45	\$1.25

## Chicory

Used as substitutes for coffee when the roots are dried and ground. The roots are also used for cooking, and are very palatable. Sow early in the spring, thin the young plants to six inches, and keep well hoed. The plant spreads from the root and is perennial.

	Pkt.	Oz.	¼-lb.	Lb.
Large-rooted Magdeburg.....	.10	\$ .40	\$1.35	\$4.00

## WITLOOF

A delicious winter salad, eaten usually with French dressing, like Cos lettuce. The root is long like a parsnip, but the part eaten is the top of the root, with the young leaves, usually best when forced in winter. Pkt. 10c, oz. 40c, ¼ lb. \$1.35, lb. \$4.00.

## Cress or Pepper Grass

Extensively used as a small salad; very useful and healthful. Can be used alone or mixed with other salads, for which it is highly esteemed; also useful for garnishing. Sow thickly in shallow drills about a foot apart; repeat at intervals.

	Pkt.	Oz.	¼-lb.
Cress, Curled Upland.....	.10	\$ .20	\$ .50

## Collards

A plant bearing a large mass of leaves on the top of a stout stalk. It is a species of cabbage, and the flavor is the same. It bears leaves all through the winter, and is used especially in the South for cabbage greens. Young plants may be started in boxes in early spring, and the young plants transplanted, allowing plenty of room for each plant.



CORN SALAD

	Pkt.	Oz.
True Georgia .....	.10	\$ .20

## Corn Salad or Fetticus

A salad plant used as a substitute for lettuce in salads, or may be cooked like spinach for greens. It does well in winter and spring. On rich soil the leaves grow quickly and are exceedingly tender. Sow during August and September in drills ¼-inch deep and 6 inches apart. Tread it lightly to insure germination.

	Pkt.	Oz.	¼-lb.	Lb.
Corn Salad, a most refreshing salad \$	.10	\$ .25	\$1.00	\$3.00

## Water Cress

This is sown by the side of running water. It is altogether an aquatic plant and forms an early and wholesome spring salad.

	Pkt.	Oz.	¼-lb.
Cress Sweet Water.....	.10	\$ .60	\$2.00

## Sweet Corn

The Sweet or Sugar Corn varieties being liable to rot in cold or wet ground, should not be planted until May, or when the soil has become warm and dry. For a full supply for the table during the entire season plant every ten days or two weeks until the last week in July, in hills 2 x 3 feet apart for the early kinds, 3 x 3 feet for the large, late sorts. Some plant in rows 3½ feet apart and 8 inches apart in the rows. Give frequent and thorough cultivation all the season. Plants 10 to 12 lbs. per acre.

**HOWLING MOB**—Originated with C. D. Keller, of Toledo, Ohio. In developing this Corn the originator aimed to secure a large ear early in the season, and at the same time possessing the sweet flavor of the later varieties. The stalks are of strong, vigorous growth, four and one-half to five feet in height, have abundant foliage, and generally produce two fine ears to a stalk. The ears measure seven to nine inches in length with twelve or fourteen rows of good-sized, pearly white grains. The ears are covered with a heavy husk which extends well out from the tip and affords good protection from the green worms which are so often destructive to early Sweet Corn. (See colored illustration on cover.) Pkt. 15c, lb. 40c, 10 lbs. \$3.50.

	Pkt.	Lb.	10 lbs.
Golden Cream, tender and delicious.....	\$ .15	\$ .35	\$3.00
Country Gentleman, late variety.....	.15	.35	3.00
Alameda Sugar, main crop.....	.15	.35	3.00
Early Minnesota, large early variety....	.15	.35	3.00
Stowell's Evergreen, late, fine sort.....	.15	.35	3.00
Black Mexican, grains bluish purple....	.15	.35	3.00

**GOLDEN BANTAM**—Golden Bantam is unquestionably the sweetest, the richest, the most deliciously flavored corn in the world. Its flavor is exquisite, it's superb, it's glorious, it's magnificent. Its extreme hardiness permits planting earlier and in colder and damper soil than other varieties. Many of our customers are planting it at regular intervals to obtain a continuous supply during the season, and in our latitude it can be sown as late as the middle of July and will furnish corn for the table before frost. The stalks grow from 3½ to 4 feet in height, and produce two and more good ears, which are six to seven inches long and of a bright golden yellow color when ready for the table. It has to be tasted to be appreciated. It is the sweetest, most luscious, honeyed, sugary and toothsome corn produced on earth. Market gardeners will find Golden Bantam a well-paying crop throughout the season. Our strain is a decidedly superior one. Pkt. 15c, lb. 35c, 10 lbs. \$3.00.

## Field Corn

### Leaming Yellow Dent (Iowa Grown)

(Write for Prices in Larger Quantities)

One of the most desirable standard varieties of yellow corn for fodder and ensilage purposes. The stalks of the Leaming are of good height, very leafy, broad blades; ears are well filled out, averaging about ten inches in length. Color beautiful golden yellow. Being a medium early variety, it will mature further north than most yellow dent types.

All of our seed corn is selected, inspected and hand sorted in the ear before shelling, insuring high quality seed of guaranteed germination. Plant 10 to 15 lbs. per acre. Lb. 20c, 10 lbs. \$1.10.

Did you see the wonderful fields of corn as you motored down the highway past the Millbrae Dairy? That was Improved Leaming Corn (Iowa grown), supplied by the California Seed Co.



LEAMING YELLOW DENT CORN

GOLDEN BANTAM

**EVERGREEN SWEET FODDER CORN**—All varieties of sweet corn possess very much more "sugar" than any feed sort, and this being the most important constituent, it necessarily follows that the corn holding this in greatest quantity has the greatest net value. Evergreen Sweet Fodder grows much taller than the Early Sweet Fodder and makes well formed but not matured ears in almost any part of the West. Lb. 35c, 10 lbs. \$3.00.

**FIELD CORN, EARLY CANADA**—Very early, ears medium size, usually ripens in August. Ripens well in the Western States. A popular New England variety. Lb. 20c, 10 lbs. \$1.15.

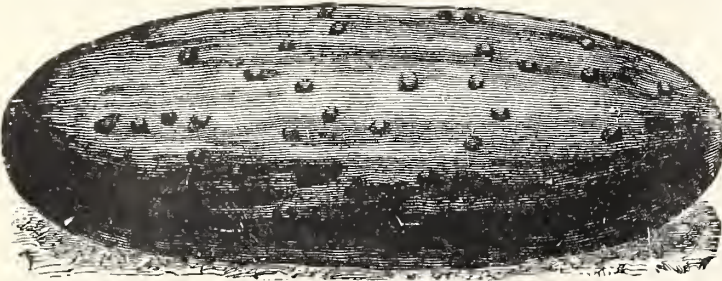
**WISCONSIN WHITE DENT**—A tall growing variety, larger eared, 16 to 18 rowed; grains large and white. Lb. 20c, lbs. \$1.15.

**POPCORN, WHITE RICE**—Very prolific, ears short, kernels long, resembling rice in shape; color white. Lb. 30c, 10 lbs. \$2.50.

THE ABOVE PRICES ARE POSTPAID TO THE FOURTH ZONE

## Cucumbers

One ounce will plant 100 hills; two pounds will plant 1 acre. Cucumbers succeed best in a rich loamy soil. If wanted very early, sow in hotbeds, in berry boxes, or small flower-pots 6 weeks before they can be set out in open ground. When danger of frost is over, transplant in hills 4 feet apart each way. For general crop, plant in May, about 6 or 8 seeds in a hill. Leave 4 of the strongest plants to each hill, but do not thin out until plants are strong enough to resist the attack of insects.



### IMPROVED CHICAGO PICKLING

Used almost exclusively by the canneries about Chicago. It is of medium length, pointed at both ends; color deep green; begins to set its fruit when the vines are quite young. Also valuable for slicing, fine flavor; never overgrown and seedy. This is our famous canners pickling variety. Pkt. 10c. oz. 20c, ¼ lb. 50c, lb. \$1.50.

Lemon Cucumber, tender and sweet Pkt. Oz. ¼-lb. Lb.  
flavor ..... .10 .25 .75 2.50

Rollison's Telegraph, an English  
frame variety.....25 seeds 25c

Cumberland Pickling,  
a splendid sort..... .10 .20 .50 1.50

## Dandelion

Much esteemed for greens, which are cooked like mustard and spinach. The cultivated Dandelion is much superior to the wild one for greens. Sow the seed in May or June on good rich soil, and thoroughly cultivate. The leaves will be ready to cut the following spring.

Improved Large Leaved. The largest leaved and best cutting variety. Plant is compact and leaves are thick.....Pkt. 10c



## Egg Plant

One ounce will produce 2,000 plants. A strong, uniform heat is required to germinate the seeds, and a thoroughly pulverized, well-enriched, warm soil is necessary to perfect the fruit. Transplant to 3 feet apart each way, and when about a foot high, support the plants by drawing the earth up around them.

Egg Plant, Black Beauty.....\$ .10 \$ .75 \$2.50 \$7.50  
Egg Plant, New York Improved..... .10 .75 2.50 7.50

### ARLINGTON SELECT WHITE SPINE

This is our best White Spine Cucumber. It is an extra select strain. Almost cylindrical in shape; slightly pointed at the ends—see illustration page 4; very productive, fruits dark green in color and very uniform in shape. Most excellent for slicing and the best variety for both home garden and market. Market gardener's choice. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50.

### IMPROVED LONG GREEN

Our strain of this famous cucumber is of the highest quality. The plants are of robust growth and produce fruits of beautiful deep green color. This is one of the most popular cucumbers for home or market gardens. See illustration page 5. The fruits measure often over twelve inches in length. Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

Snow's Perfection, largely used by  
canneries ..... .10 .20 .65 2.00  
Everbearing, bounteous producer.... .10 .20 .60 1.75  
Early Frame, a good pickle variety .10 .20 .50 1.50  
Japanese Climbing ..... .10 .25

## Endive

One ounce will sow 150 feet of drill. Sow in any ordinary dry soil in drills 1 foot apart, covering lightly. When the plants are about 2 inches high, thin to about 12 inches in the row. When the plants have attained full size, gather up the leaves, tying together at the tips. This excludes the air from the inner leaves, which in the course of three or four weeks will become beautifully blanched.

### BROAD-LEAVED BATAVIAN OR ESCAROLE

This variety has wide, thick leaves, straight at the edges and curved toward the center. Color dull green. Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

### GREEN CURLED

Has very curly leaves, the midrib being white and blanched. A very attractive plant and one of the very best varieties. Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

### SEEDS OF POT, SWEET AND MEDICINAL HERBS

	Pkt.		Pkt.
Sweet Basil .....	\$ .10	Dill .....	\$ .10
Borage .....	.10	Lavender .....	.10
Caraway .....	10	Majoram Sweet .....	.10
Catnip .....	.10	Rosemary .....	.10
Coriander .....	.10	Sage .....	.10
Fennel .....	.10	Savory .....	.10
Horehound .....	.10	Thyme, French .....	.10

### HORSERADISH SETS

Roots ready in January, dozen 50c, per 100 \$2.50, postpaid.

## Kale or Borecole

This plant is useful for furnishing a large supply of greens for boiling during the early fall, winter, and spring months. Seed should be sown thinly in drills, transplanting to rows three feet apart when of sufficient size.

### JERSEY KALE OR THOUSAND HEADED

A tall variety with smooth leaves. Especially used for feeding chickens. Furnishes lots of green feed. Pkt. 10c, oz. 20c, ¼ lb. 45c, lb. \$1.25.

### GIANT MARROW

This splendid kale has leaf stalks thick and fleshy; also the stem is large and swollen and filled with nutritious marrow. A very heavy yielder of green feed. It is eaten readily by chickens and proves a great tonic for them. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, lb. \$4.00.

	Pkt.	Oz.	¼-lb.	Lb.
DWARF, green curled .....	\$ .10	\$ .20	\$ .65	\$2.00
TALL, green Scotch .....	.10	.20	.65	2.00



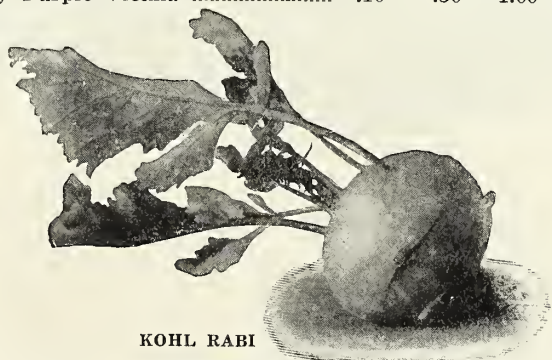
TALL SCOTCH KALE

## Kohl Rabi

### TURNIP-ROOTED CABBAGE

One ounce will produce 2,500 plants. Sow in rows 18 inches apart, afterwards thinning to 8 or 10 inches. When young, Kohl Rabi is a delicate and palatable vegetable, and is very popular in Germany and other countries of Europe, where it is more generally used than in America.

	Pkt.	Oz.	¼-lb.	Lb.
Early White Vienna .....	\$ .10	\$ .35	\$1.00	\$3.00
Early Purple Vienna .....	.10	.30	1.00	3.00



KOHL RABI

## Leek



Sow early in April, in drills 1 foot apart and 1 inch deep. When the plants are 6 to 8 inches high, transplant in a deep, rich soil, in rows, 12 inches apart and 6 inches in the rows, as deep as possible, so that the neck may be covered and blanched; draw the earth to them as they grow. The seed may also be sown in August or September; plants transplanted in the spring.

	Pkt.	Oz.	¼-lb.	Lb.
American Flag .....	\$ .10	\$ .35	\$1.15	\$3.50
Large Rouen .....	.10	.35	1.15	3.50

## Mustard

The leaves of these varieties of mustard, as listed here, make excellent greens of sharp, pungent flavor, and are cooked the same as spinach or beet leaves. Sow seed in drills early in the spring and at frequent intervals throughout the summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. One ounce will sow fifty feet of row.

**GIANT SOUTHERN CURLED**—Large variety, forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended. Pkt. 10c., oz. 20c, ¼ lb. 30c, lb. \$1.00.

**WHITE ENGLISH**—Seed yellow and pungent; also used as flavoring for pickles. Oz. 10c, ¼ lb. 30c, lb. \$1.00.

## Mushrooms

**PURE CULTURE AMERICAN SPAWN**—The very best spawn taken direct from the growing cultures. There is no chance for any "wild" spawn to get mixed in. Bricks weigh 1¼ lbs. Brick 40c, postpaid; by express, 5 bricks \$1.75. Write us for quantity price.

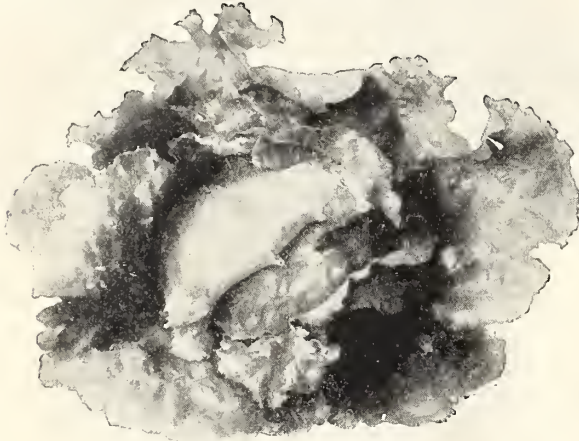
### BIG PROFITS IN MUSHROOMS

Grow mushrooms for the market when prices are high. Write for circular giving full cultural directions. Mailed free.

## Lettuce

We Carry All the Leading and Best Varieties

Lettuce seed should be covered very shallow to secure germination, especially the black seeded, if sown under glass or in the house. For early spring use, sow in September and protect through the winter in cold frames, the same as cabbages, or sow in hot beds in March and transplant to open ground as soon as it can be worked. For late supplies sow in open ground as soon as the season will permit, in rows one foot apart; thin out plants one foot apart in rows. If sown every two or three weeks to the middle of August, it may be had in perfection the entire season. One ounce will sow 125 feet of drill and produce 3000 plants.



LOS ANGELES or NEW YORK

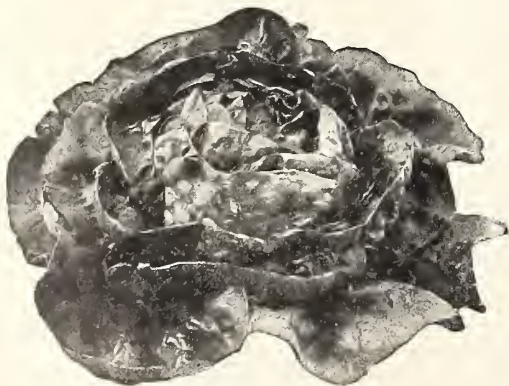
Our Los Angeles Lettuce has proved the best wherever planted. Mr. J. Morino, a market gardener of Seattle, Wash., writes as follows: "Your Los Angeles Lettuce produced the finest lettuce in the Seattle Market."

A large Lettuce grower at Walnut Creek writes: "Never saw such wonderful heads. Had no trouble selling my crop. Your Los Angeles Lettuce is a sure money maker."

**LOS ANGELES OR NEW YORK**—A large, crisp, tight-heading lettuce which is a great favorite in the markets of Los Angeles and San Francisco. This is a lettuce much raised around New York, whence its name was taken. The quality is the finest and is an excellent lettuce for the garden. The chances are ten to one that those fine little sweet heads of lettuce you buy in the San Francisco markets are Los Angeles variety. We sell hundreds of pounds of this to the market gardeners. Pkt. 10c, oz. 35c, ¼ lb. \$1.00, lb. \$3.50.

**BIG BOSTON LETTUCE**—This is a fine forcing variety for cold frames during the winter months, as it produces heads of very large size, often ten to twelve inches across, and succeeds better in a cooler temperature than do most forcing strains. The large heads are beautifully blanched and of superior quality. It heads well also in the open ground during cool weather of spring and fall, and is very popular in the South to grow for shipping North. Our seed is the choicest it is possible to produce. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

**ICEBERG LETTUCE**—This makes large heads of pleasing appearance and retains its crispness and mild flavor to a greater degree during the hot summer months than any other crisp-head variety. The plants attain a diameter of twelve inches, with good cultivation. The leaves are of a soft bright green, growing closely around the head. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$2.50.



BIG BOSTON



MAY KING

	Pkt.	Oz.	¼-lb.	Lb.
California Cream Butter .....	.10	\$.20	\$.50	\$1.50
Romaine or Cos, long-leaved ..	.10	.20	.60	1.75
Prize Head, curly, tinged red ..	.10	.20	.50	1.50
Deacon, large head .....	.10	.20	.50	1.50
Passion, old favorite .....	.10	.20	.65	2.00
Hanson Improved .....	.10	.20	.50	1.50

**MAY KING**—The best early-heading variety. The inner leaves are tightly folded (see illustration), of good substance and a rich yellow color. It is hardy, early and a quick grower. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

**CHICKEN LETTUCE**—Large-growing lettuce for poultry. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$2.50.

MARKET GARDENERS SHOULD WRITE FOR SPECIAL PRICES IN QUANTITY

# Muskmelon or Cantaloupe

One ounce will plant 80 hills; 2 pounds will plant an acre. A light, warm, rich soil is essential for this crop. Plant in hills 6 feet apart each way, using 6 to 8 seeds in the hill. After all danger of destruction by bugs is over, thin out to 3 plants to a hill. When about 1 foot long, pinch off the tips to make them branch. This strengthens the growth of the vines and makes the fruit mature early.

## ROCKYFORD MUSKMELON

The Melon That Put Colorado On the Map

When you hear Rockyford you immediately think Muskmelon. It is undoubtedly the best known Muskmelon in the world; so popular, in fact, that its very name has become synonymous with High Quality when applied to Melons.

Our Selected Strain is of such a highly developed character as to be a rejuvenated Rockyford with its virtues greatly intensified.

The flesh of these melons is green, lusciously sweet and melting; it can be eaten close to the rind. The seed cavity is extremely small. The average weight of the melon is about one and one-half pounds, and the largest per cent of the crop is of such size as to pack 45 melons to the standard crate, 12 x 12 x 24 inches. The netting is extremely well developed, closely laced, of gray color, covering the entire fruit. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**GOLD LINED ROCKY FORD**—A new melon from Rocky Ford, Colorado; of a fine uniform shape and without ribs; slightly oval; meat thick, green, and light-gold toward center. We recommend this as an extra fine melon in flavor and in every way. Selected stock. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.25.

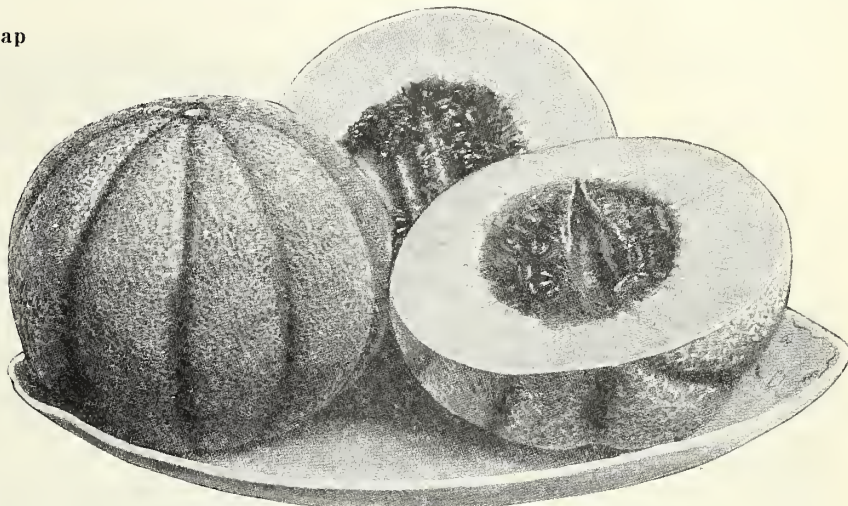
**SALMON-TINT POLLOCK, 10-25**—In the famous Rocky Ford Melon district the Salmon-Tint Pollock has come to be recognized as perhaps the most desirable salmon-fleshed melon for shipping. It is said to be absolutely rust resistant, and the factor of rust has been the one disturbing element in this great melon-growing section. Some years ago the Rocky Ford Cantaloupe Seed Breeders' Association began a systematic effort to develop a salmon-fleshed melon that would meet every requirement of their needs, and Salmon-Tint No. 10-25 is the result of their efforts. This is an early melon of the solid netted type that is so very desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon tint shading to green near the rind. A splendid keeper that stands shipping and always arrives in the best possible condition. It has been alike successful in the East, in the West, and in the South. It is a prolific yielder and is pronounced by every one who has used it the ultimate in salmon-fleshed melons. We consider it one of the best yellow-fleshed melons that we have ever offered. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 85c, lb. \$2.50.

**EXTRA EARLY HACKENSACK**—The melons weigh from 4 to 10 pounds; heavily ribbed and netted; flesh green and very sweet, of excellent flavor. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**HONEY DEW**—The fruit of this new melon is of good size, weighing 8 to 10 pounds, light-colored smooth skin, thick light green flesh of a delicious honey-like flavor. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 85c, lb. \$2.50.

**LARGE YELLOW CANTALOUPE**—The fruit is large, oblong, slightly ribbed and coarsely netted. The flesh is light yellow, very sweet and crisp. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

	Pkt.	Oz.	$\frac{1}{4}$ -lb.	Lb.
Paul Rose .....	\$ .10	\$ .20	\$ .60	\$ 1.75
Montreal Market Nutmeg .....	.10	.20	.60	1.75
Burrel's Gem .....	.10	.20	.50	1.50



ROCKY FORD MUSKMELON

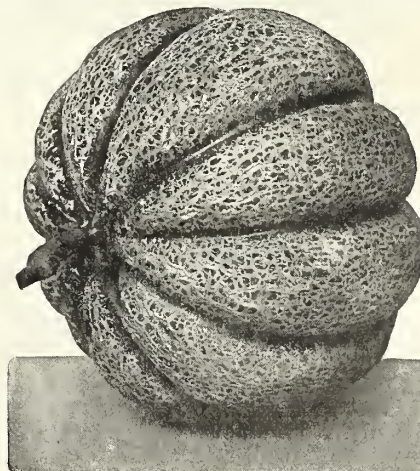
## CASSABA MELONS

The melons should not be picked until they become quite yellow. Stow away so they do not touch each other, in a cool, dark place. When the rind becomes slightly softened and moist they are ready to eat. Some of the melons will keep until February.

**WINTER PINEAPPLE**—A large late variety with wrinkled skin and green flesh of a pineapple flavor. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 85c, lb. \$2.50.

**GOLDEN BEAUTY**—This melon is very similar to Winter Pineapple, except that it has a golden-yellow rind. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 85c, lb. \$2.50.

**PERSIAN**—A medium-sized melon, heavily netted, without ribs; orange flesh of delicious flavor; a good keeper. Pkt. 10c, oz. 60c,  $\frac{1}{4}$  lb. \$2.00, lb. \$6.00.



EARLY HACKENSACK

MELON GROWERS—WRITE US FOR PRICES ON LARGE QUANTITIES—ANY VARIETY

## Watermelons

One ounce will plant 30 hills; 4 pounds will plant an acre. The culture of watermelons differs from that of muskmelons mainly in that the hills should be wider apart, from 8 to 10 feet, according to the variety grown. An effort should be made to secure good, strong vines early in the season, and this can be done by taking care that the hills are large, mellow, and well drained, with the manure placed so that they will not dry out quickly under hot suns. Plant the seeds thickly and thin the plants to four of the strongest in each hill. All possible protection from insects should be given the young plants, and their growth may be still further hastened by frequent applications of liquid manure. As a protection from insects, netting is frequently used, and also Slug-Shot dusted over the leaves when wet.

**ANGELINO**—A good all-round melon either for home or shipping. The skin is very dark green, and flesh is bright red and of delicious quality. Melons usually weigh about 12 lbs.—just a nice size and one that is readily saleable. Soak seed in water an hour or two before planting to increase germination. Important only for Angelino and Chilean. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50.

**TOM WATSON**—In the South there are two classes of Watermelons—first, a thin rind table melon; second, a tough rind shipping melon. Tom Watson belongs to the latter class, and has proved, wherever shipped, to be a good eating melon—in fact, superior to any other of its class. On the light lands in Florida they produce Tom Watson Watermelons that are really delicious in flavor. The melons measure eighteen to twenty-four inches long by ten to twelve inches in diameter and weigh from fifty to sixty pounds. The dark green rind is tough but thin, and easily withstands shipment to far-distant markets. The deep-red flesh extends to within three-quarters of an inch of the green rind—heart is large with no sign of core. The seeds are brown tipped with white. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50.



KLECKLEY SWEETS

**KLECKLEY SWEETS (or Monte Cristo)**—A very desirable variety for the home garden or nearby markets. Fruit medium sized oval, and skin dark green; flesh bright red and very sweet. Skin is brittle. It is the very sweet, honey-like flavor that makes it especially distinct from all other varieties. Pkt. 10c, oz. 20c, ¼ lb. 45c, lb. \$1.25.

**KLONDYKE**—A great favorite of recent introduction. Oblong, dark rich green, flesh bright red, very crisp and sweet. Pkt. 10c, oz. 40c, ¼ lb. \$1.20, lb. \$4.00.

**GEORGIA RATTLESNAKE**—One of the oldest and formerly most popular sorts, and frequently known as Gypsy. A large oblong variety with decided stripes of light and deep green. Rind is tough, but flesh is of medium quality and bright pink; a good shipping and market melon. Pkt. 10c, oz. 20c, ¼ lb. 45c, lb. \$1.25.

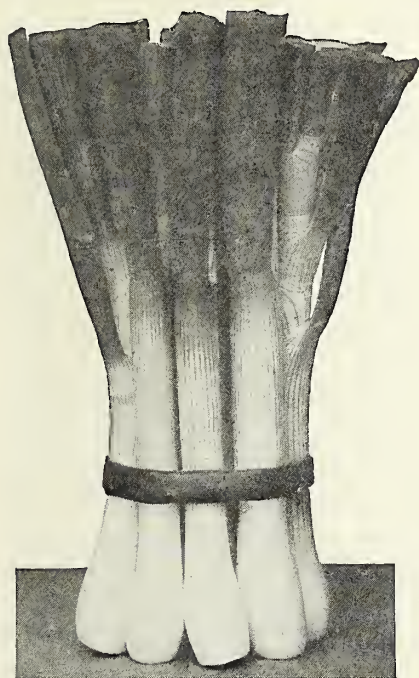
**HALBERT HONEY**—Is especially sweet in flavor, crisp and brittle, and well ripened to a very thin rind. Oblong and extra fine quality. Pkt. 10c, oz. 20c, ¼ lb. 45c, lb. \$1.25.

## Okra

This vegetable is extensively grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor and are considered nutritious. Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills 3 feet apart, 1 inch deep; thin to 10 inches apart in drills.

	Pkt.	Oz.	¼-lb.	Lb.
Improved Dwarf Green .....	.10	\$.20	\$.45	\$1.25
White Velvet .....	.10	.20	.45	1.25

WE PAY POSTAGE ON ALL VEGETABLE SEEDS TO FOURTH ZONE

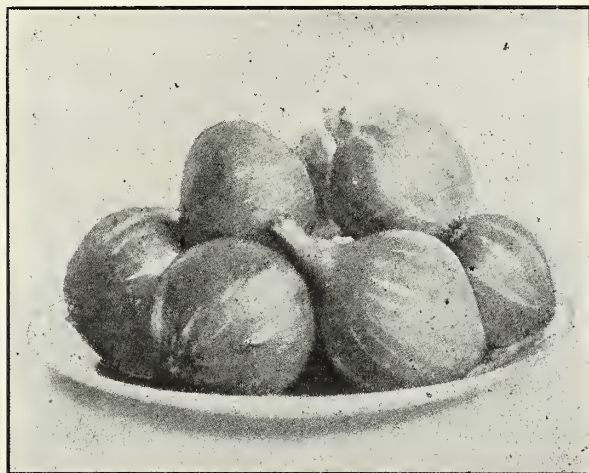


BUNCHING ONION

**AUSTRALIAN BROWN**—Extra long keeper and sure cropper. Early and very hardy. The skin is a rich brown, solid white flesh, crisp and of sweet mild flavor. Should be planted early on low, wet ground to get large bulbs. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.75.

**BUNCHING ONION**—Quick-growing onions, used green (see illustration). Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**EXTRA EARLY BARLETTA**—Finest of all for small pickles. The bulbs are pure white and generally very small, averaging about one inch in diameter. Extremely early and of very mild, sweet flavor. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.35, lb. \$4.00.



**PRIZE TAKER**—A very large globe-shaped variety, with light-yellow skin and white flesh of mild flavor. It is a heavy cropper and a fairly good keeping onion, and often weigh two or three pounds. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 85c, lb. \$2.50.

## Onions

The best onions are grown on low, sandy, or mucky lands, with natural moisture, and plenty of it. Higher lands can be used if irrigated, providing the land is rich and very well worked before planting the seed. Onions do not follow a hay or grain crop to good advantage, since the soil lacks nitrogen and humus. A piece of land contemplated for onions should be planted to beans, peas, or some other vegetable crop one or two years.

On high lands the seed should be sown in December or early in January, while on low lands any time from February 1st to March 10th will do, depending on the condition of the weather. Sow in rows from twelve to sixteen inches apart, using four to five pounds of seed. In irrigating onions, it is important that the land never be allowed to get dry, for a check in the growth will either force the plant to run to seed or will make stiff necks. In the house garden, plant early in drills, using one ounce to 250 feet of row.

### DANVER'S YELLOW

**GLOBE**—Conspicuous, large, golden yellow spheres of exceptional beauty; a late, large, main crop variety; best keeping quality. The buyer of a packet and the planter for carload shipments are equally enthusiastic over this gem among onions. Sacked or barreled for market. Its size, beauty, quality and fine appearance make it a trade winner. Pkt 10c, oz. 25c,  $\frac{1}{4}$  lb. 85 c, lb. \$2.50.



DANVER'S YELLOW GLOBE

**LARGE RED WETHERSFIELD ONION**—This is the standard and favorite variety. Large size, deep, purplish white, stronger flavored than larger varieties. Very productive, and an excellent keeper. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 85c, lb. \$2.50.

**CALIF. RED GLOBE**—A mild and early red onion, used extensively by market gardeners. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**WHITE BERMUDA**—A very early flat variety; skin a pinkish straw color; flesh very mild. Used largely for planting in the fall. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.35.

**WHITE PORTUGAL OR SILVER SKIN**—The favorite white variety, of medium size with clear white skin and mild flavor. It is an excellent keeper and also a good variety for growing for pickles. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

### ONION SETS

For sets, sow the seeds as early as possible in the spring, very thickly in drills. As soon as the tops die off in summer remove them to a dry, airy place, and early in the following spring replant by placing the sets in shallow drills 12 inches apart and about 4 inches apart in the drills; the onions, by this process, are obtained of a large size early in the season. Sets ready from September to May. Pound, postpaid, 25c.

### GARLIC SETS

Write for prices.

### SHALLOTS

Write for prices.

WRITE FOR SPECIAL PRICES ON LARGER QUANTITIES

## Peas

A light, dry soil, not over rich, suits the Pea. If they grow too vigorously and show no signs of bloom, run a spade along about eight inches from the row straight down, and thereby root prune them. Do this each side the row, and they will bloom in a few days. Plant as early as the ground can be worked, and again every two weeks for succession throughout the season. Plant single or double rows from four to six feet apart, according to the different heights, about an inch apart in the row and three inches deep; hoe often. In dry weather, Peas should be soaked in soft water five or six hours before planting, and if the ground is very dry they should be watered in rows.



LAXTONIAN PEAS

**IMPROVED STRATAGEM PEAS**—Two feet. Vines of strong growth, with large foliage; do not need any support. Pods of large size, well filled with large, dark green peas of rich, sweet flavor. One of the very finest. Pkt. 15c, lb. 35c, 10 lb. \$3.00.

**MELTING SUGAR or EDIBLE POD**—A prolific variety bearing brittle pods, which are cut or broken and cooked like beans. The pods are very large, broad and extremely tender; finely flavored. Pkt. 15c, lb. 40c, 10 lb. \$3.50.

**SENATOR PEAS**—The Senator is a new second-early. It is a large, luscious wrinkled pea of the same season as McLean's Advancer, but with larger pods and vines much more productive. The pods are well filled with peas, sweet and tender, even when quite large; vines two feet high. Pkt. 15c, lb. 40c, 10 lb. \$3.50.

### EXTRA EARLY VARIETIES

**ALASKA, or EARLIEST OF ALL**—A smooth pea, well suited for extra early planting; vine 2½ feet high, and carries usually five pods, each holding six or seven peas. Will not rot in cold, wet ground; popular with canners. Pkt. 15c, lb. 35c, 10 lb. \$3.00.

**AMERICAN WONDER**—A dwarf or short-vine variety, growing about 12 inches tall, bearing short, well-filled pods; very early. Pkt. 15c, lb. 35c, 10 lb. \$3.00.

**BLUE BANTAM**—An early semi-dwarf variety bearing very long pods of a deep green color; very prolific. Pkt. 15c, lb. 40c, 10 lb. \$3.50.

**GRADUS, or PROSPERITY**—Has the finest flavored peas of all. Tall, light vine; matures early. Peas and pods large size, seven to eight peas to a pod. Pkt. 15c, lb. 35c, 10 lb. \$3.00.

**LAXTONIAN PEAS**—The largest podded, early dwarf pea. Requires no supports of any kind. The vines are very productive and produce pods similar in shape to the Gradus, which are filled with large, luscious, light-green peas. Pkt. 15c, lb. 35c, 10 lb. \$3.00.

**LITTLE MARVEL**—An extra dwarf, extra early pea, which is wonderfully prolific. Each pod has six or seven large peas, closely crowded in. Yields heavier than any other in this class. Pkt. 15c, lb. 40c, 10 lb. \$3.50.

**NOTT'S EXCELSIOR**—The earliest extra dwarf pea; good flavor. Pkt. 15c, lb. 35c, 10 lb. \$3.00.

**PREMIUM GEM or LITTLE GEM**—An early dwarf wrinkled pea, very productive and sweet, height 16 to 18 inches. Pkt. 15c, lb. 35c, 10 lb. \$3.00.

**THOMAS LAXTON**—A fine, early, tall variety, similar to Gradus, but more hardy and not quite so early. Is yellowish-green color and has large blunt pods. Pkt. 15c, lb. 35c, 10 lb. \$3.00.

### LATER OR MAIN CROP VARIETIES

**CHAMPION OF ENGLAND**—One of the most popular tall, wrinkled varieties. Is very prolific and hardy, and the peas are of especially fine, rich quality. Pkt. 15c, lb. 40c, 10 lb. \$3.50.

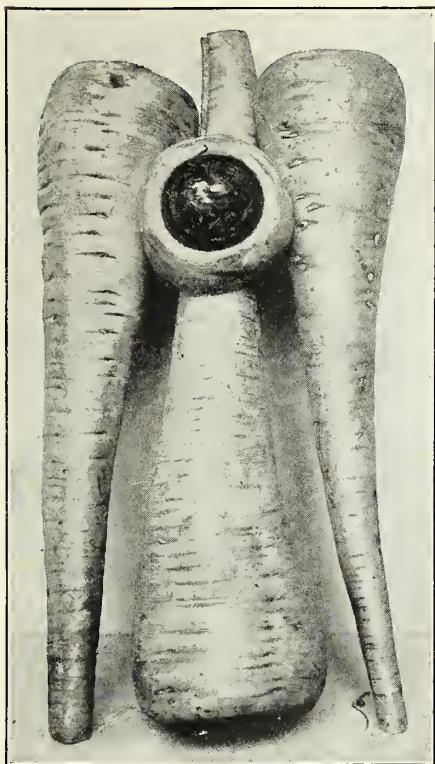
**DWARF TELEPHONE**—A dwarf variety producing large pods like Telephone; very prolific and of fine quality; height 18 inches. Pkt. 15c, lb. 40c, 10 lb. \$3.50.

**SHARP'S STANDARD**—An extremely prolific and most thoroughbred second-early of superb quality. The magnificent dark green pods, borne in pairs, are five to six inches long, containing nine and ten large peas which are rich in flavor. The vines are strong, the pods are large, and come absolutely true to type. Pkt. 15c, lb. 40c, 10 lb. \$3.50.

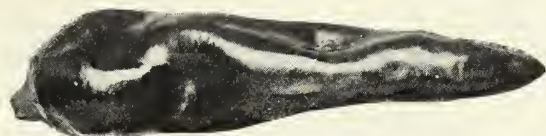
**TELEPHONE**—One of the latest varieties; is tall and vigorous, with enormous pods, bearing large, wrinkled peas of remarkably fine quality. A popular home garden and market variety. Pkt. 15c, lb. 35c, 10 lb. \$3.00.

**YORKSHIRE HERO or ALAMEDA SUGAR**—A semi-dwarf variety, growing 2½ feet high. Pods are broad and medium-sized and are well filled with large peas, which remain in good condition for a long time. Pkt. 15c, lb. 35c, 10 lb. \$3.00.

WRITE FOR PRICES IN LARGER QUANTITIES



PARSNIP HOLLOW CROWN



ANAHEIM CHILI

**ANAHEIM CHILI**—A large, thick-meat Chilli of recent introduction, being 7 inches or more long, very fleshy, with a slight pungency. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.50; lb. \$5.00.

**CHINESE GIANT**—The largest of all Sweet Peppers. The flesh is quite thick, very mild and sweet. A blunt, deep red variety. Pkt. 10c, oz. 80c,  $\frac{1}{4}$  lb. \$2.50.

	Pkt.	Oz.	$\frac{1}{4}$ -lb.	Lb.
Cayenne, long red.....	.10	.80	\$2.70	\$8.00
Ruby King .....	.10	.70	2.25	7.00
Sweet Mountain .....	.10	.70	2.35	7.00
Red Chili .....	.10	.80	2.70	8.00



PUMPKIN CONNECTICUT FIELD

## Parsnips

One ounce will sow 200 feet of drill; 5 pounds will plant an acre. This crop requires a very rich soil. Sow in drills 18 inches apart and  $\frac{1}{2}$  inch deep, and thin to 8 inches in a row. Besides being desirable as a table vegetable, they are valuable for feeding stock.

	Pkt.	Oz.	$\frac{1}{4}$ -lb.	Lb.
Hollow Crown, best and most popular sort.....	.10	.25	\$.70	\$2.00

## Parsley

Used for garnishing and seasoning soups, meats, etc. Succeeds best in a mellow, rich soil. Sow thickly early in April in rows 1 foot apart and half-inch deep; thin out the plants to stand 6 inches apart in the rows. The seed is slow of germination, taking from three to four weeks to make its appearance, and often failing to come up in dry weather. To assist its coming up quicker, soak the seed a few hours in warm water, or sprout in damp earth, and sow when it swells or bursts. For winter use protect in a frame or light cellar.

	Pkt.	Oz.	$\frac{1}{4}$ -lb.
California Moss Curled.....	.10	.20	\$.45
Plain or Single Parsley.....	.10	.20	.45



PARSLEY

## Peppers

Peppers are indispensable as a seasoning for soups and meats. The large varieties are mainly used for this purpose and pickling. The mild, sweet varieties, like Golden Dawn and Ruby King, are used for Mangoes, while the small-fruited sorts are the best for sauces. Sow in hotbeds in February or March, or in a warm, sheltered border in May, and, when the season is favorable, transplant in rows 2 feet apart and 18 inches in row, in good, rich ground.

**PIMIENTO**—A popular variety owing to its lack of pungency. Flesh very thick and firm, used largely for canning, as it can be scalded and peeled; also delicious with salads or when stuffed. The quality of our pimiento pepper seed was so far superior to anything heretofore offered that the canneries were astounded at the size, quantity, and mildness of the exceedingly fine quality of fruits produced. It pays to know where to buy good seed. Pkt. 10c, oz. 60c,  $\frac{1}{4}$  lb. \$2.00, lb. \$6.00.



PIMIENTO PEPPERS

**LARGE BELL or BULL NOSE**—A large, early bright-red variety of mild flavor; a favorite for pickling and "mangoes" when green. Pkt. 10c, oz. 70c,  $\frac{1}{4}$  lb. \$2.00, lb. \$7.00.

## Pumpkin

One ounce will plant 40 hills; 5 pounds will plant an acre. Plant in hills 8 feet apart each way, allowing three strong plants to a hill. In other respects they are cultivated as melons and cucumbers; keep separate from melons and cucumbers, as they are liable to mix.

**CALIFORNIA FIELD**—The well-known, ordinary pumpkin, largely used for stock feeding. The fruit is variously colored, in yellow, drab, red and orange, and varies also in size, but is usually very large. Is a heavy cropper and very early grown. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**CONNECTICUT FIELD**—A fine, large, orange-colored variety used for field culture and stock feeding. The skin is smooth and ribbed and the flesh is brittle and sweet. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**LARGE CHEESE, or KENTUCKY FIELD**—A very large, flattened pumpkin, averaging about two feet through. When ripened the skin is a rich cream color. Flesh yellow and of fine quality. Some customers claim that this variety is not susceptible to the ravages of the squash bug. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**MAMMOTH GOLDEN CUSHAW**—One of the best stock-feeding pumpkins. Is solid, yellow, crookneck sort, and is nearly all flesh, having a very small seed cavity. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.75.

**MAMMOTH KING, or POTIRON**—Skin reddish yellow in color, and flesh rich orange. It runs very uniform in shape and color, and all are of immense size. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.75.

WRITE FOR PRICES IN LARGER QUANTITIES

# Oregon Grown Seed Potatoes

OUR STOCK IS SPECIALLY SELECTED FOR SEED PURPOSES

## Growing Potatoes

The soil best suited to the Potato is a rich, sandy loam, but it seems to thrive in almost any soil or climate. The Potato, being a gross feeder, requires a liberal application of manure; if stable manure is to be used, it should be well rotted and not allowed to come in contact with the tubers. On no other crop are results from the use of the phosphates so manifest as on the Potato; almost invariably the tubers are smoother, brighter and freer from rust and the destructive influences of wire worms. The best fertilizers are super-phosphate of lime and bone dust. Potato scab can be entirely prevented by using flour of sulphur in the rows with the phosphate. Use at the rate of 100 to 150 pounds to the acre. Plant as early in the spring as the ground can be thoroughly worked, in rows three feet apart and one foot in the rows; covering in light, warm soil about four inches, and in cold, wet ground three inches deep. Draw the earth to the plants as they advance in growth.



OREGON SEED POTATOES

Draw the earth to the plants as they advance in growth.

### PLANTING IN CALIFORNIA—

"If the soil is rich and deep, well drained and well prepared, potatoes may be planted as close as 12 in. in the row with rows 20 in. apart, but under usual conditions in California it seems best to plant from 12 in. to 14 in. in the row with rows 36 in. to 42 in. apart. In this manner the crop may be cultivated by horse labor. The wider distance is essential under conditions where soil is poor and the moisture supply inadequate.

The best depth under normal conditions is 4 in. to 5 in. If too deep, the tubers will be small and of poor quality; if too shallow, they will be of variable size, unshapely and often green by exposure to the light. In heavier soils the shallow depth may not be exceeded, but in lighter soils the greater depth may be followed."

In most regions, planting may begin in early March and continue until June, the prospects for rich yields diminishing as the season advances. Second crop plantings are usually begun in late July or August. Early potatoes require from 70 to 90 days to mature a crop where the late varieties run from 130 to 150 days.

### CULTURE—

In deep, rich, well-prepared soil, seasonably planted with well-selected, properly cut stock, cultivation to conserve moisture and destroy weeds is all that need be done. It is good practice, however, to harrow lightly until the crop is well up, as this keeps down the weeds and breaks the crust, conserving moisture. The first cultivation with the shovel plow can be deep and thorough. Thereafter two or three light cultivations not interfering with the root growth should be sufficient to insure the crop. Level cultivation is always recommended except under unusual conditions, high hilling or ridging only being practiced for the purpose of affording drainage under excessive moisture or where the crop is grown entirely by irrigation. Ridging is also sometimes necessary in combating tuber moth.

The great advantage of thorough preparation of the seed before planting should never be overlooked, as much can be done at this time to insure the crop against later adverse conditions. Care should be taken not to work the soil when too wet, as this may result in a serious failure and may require a long time to get the ground in good condition again.

No standard rules for planting, cultivating or handling the crop can be made, as each season and in each section conditions may vary and must be met by the grower's judgment and experience.

Plant five to six sacks per acre. Potatoes will produce on good soil from 150 to 200 sacks per acre.

### SEED TREATMENT—

Wetting several hours before treating adds to effectiveness of dip. Dipping in a solution of formaldehyde is the method generally recommended for treating seed potatoes, as follows:

Formaldehyde, 40% Commercial Solution .....	1 pint
Water .....	30 gallons

Soak the potatoes in this solution for two hours and spread out to dry. This treatment is effective against Scab.

We offer the following varieties: American Wonder, British Queen, Burbank High Top, Burbank Low Top, Early Rose, Garnet Chili, Gold Coin, Idaho Netted Gem, Netted Burbank, Peerless, Uncle Sam, White Rose.

Customers who are in the market for other varieties not listed above should write us, as we will try to procure stock for them.

Prices above varieties, 5c per lb., 100 lb. \$4.00, f. o. b. S. F. Write for special prices in larger quantities.

Notice.—Prices on seed potatoes are subject to market changes, therefore write to us for quotations.

## Radish

Radishes thrive best in a light, rich, mellow soil, and to bring out their mild qualities they must make a quick and tender growth. Sow for very early use in hot beds during winter and early spring, or later on in sheltered borders, in well-manured, deeply dug, and finely raked soil; if not well stimulated into a rapid growth, they become fibrous and tough. Sow in drills 10 inches apart, and thin to two inches in the rows. Sow at intervals of two or three weeks until September for succession. Sow winter varieties in July and August. Like turnip, they make the best growth in autumn, and must be taken out before severe frost, and stored away in a cool cellar in sand, or a pit, where they will keep tender and crisp all winter. Before using, put in cold water, which adds to their freshness.

**CRIMSON GIANT**—This variety is suitable for forcing or for early planting out of doors. A round radish of large size and remaining in good condition for a long time. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**EARLY SCARLET TURNIP**—A valuable variety for forcing or outdoor culture. Is a small, turnip-shaped variety, and in color entirely crimson. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**HALF LONG or OLIVE-SHAPED**—The variety most largely used by gardeners in California. It is about three inches long with half-stump root and sloping top. Color carmine. Quick growing and hardy. Remains solid longer than any other variety. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**LONG SCARLET (Short Top)**—The best known and most popular long variety. Color, bright carmine, and flesh brittle and firm. About six inches long, the top growing out of the ground about one inch. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**SCARLET TURNIP WHITE TIPPED, or ROSY GEM**—One of the most popular varieties. It is globe-shaped, bright rose carmine with bottom and tip clear white. Very valuable for forcing as well as for the house garden and market. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

	Pkt.	Oz.	$\frac{1}{4}$ -lb.	Lb.
French Breakfast, half long .....	.10	.20	.40	\$1.25
California Mammoth White .....	.10	.20	.50	1.50
Round Black Spanish .....	.10	.20	.50	1.50
Long Black Spanish .....	.10	.20	.50	1.50
Icicle, long white sort .....	.10	.20	.40	1.25
White Vienna, long and tender .....	.10	.20	.50	1.50

## Rhubarb

Sow in drills an inch deep; thin out to six inches apart. In fall, trench a piece of ground and manure it well and then transplant the young plants into it three feet apart each way. Cover with leaves or litter the first winter, and a dressing of manure should be given every fall.

**CRIMSON WINTER**—This has been a great money-maker for growers because it was the first to come; is hardy and has good flavor. Produces small crimson stems very early in winter and spring and continues bearing till late. Seed—Pkt. 15c, oz. \$1.40,  $\frac{1}{4}$  lb. \$4.65, lb. \$14.00.

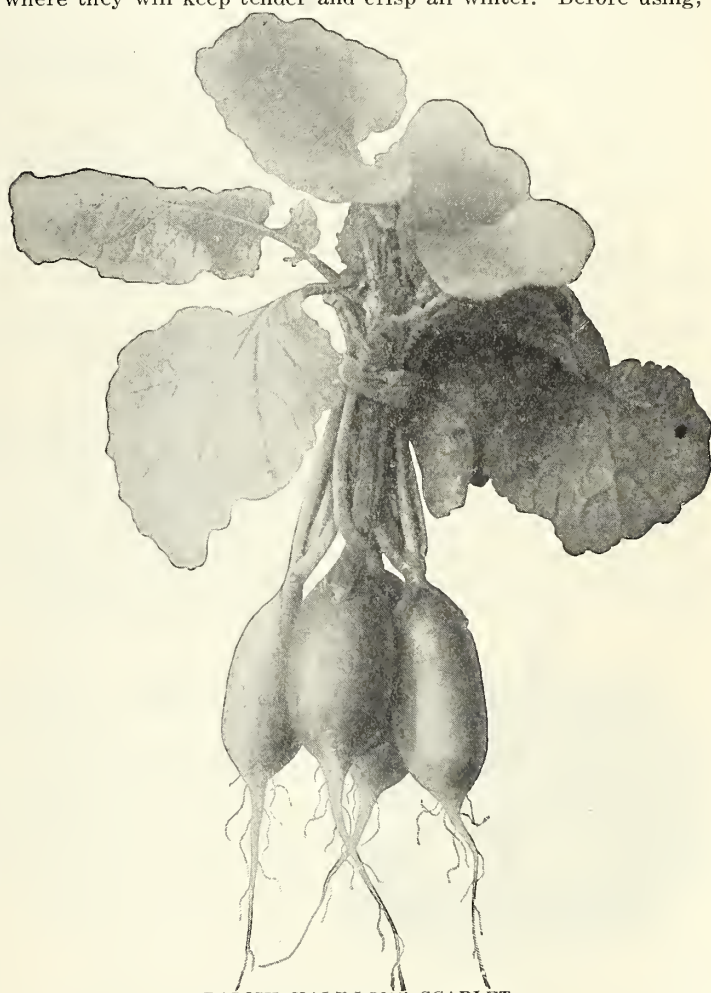
	Pkt.	Oz.	$\frac{1}{4}$ -lb.	Lb.
Victoria, standard sort, seed .....	.10	.20	.50	\$1.50

## Rhubarb Roots

If Rhubarb roots are ordered by mail, add postage at zone rates.

**WAGNER'S GIANT (Giant Crimson Winter)**—Average stem is  $1\frac{1}{2}$  feet long and weighs  $\frac{1}{4}$  lb. This splendid rhubarb sends up its stalks very early like the Crimson Winter, from which it is derived. The stalks are double the size of the Crimson Winter, which they otherwise resemble. A sure money-maker. Be sure to plant rhubarb roots with crowns one inch underground. 25c each, \$2.50 per doz. (Estimated weight, 2 lbs. per doz.)

**STRAWBERRY (Lorenzo)**—A variety well adapted for California, and yielding very heavy crops. Largely planted for market purposes in San Lorenzo. Stems large size, color light crimson. Much grown in Alameda County. Large roots, 25c each, 5 for \$1.00. (Weight estimated 1 lb. each). Write for prices on larger quantities.



RADISH HALF-LONG SCARLET

## Salsify

Generally known as the Oyster Plant. We esteem this to be a much better root for table use than the Parsnip or Carrot. Some persons have been skeptical as to its possessing an oyster flavor, as it seldom attains true taste until, like the parsnip, it has been well frosted. But if dug up during thaws in the winter and early in the spring and boiled like carrots or parsnips, or half boiled and grated fine, made into balls, dipped into a batter and fried like oysters, it is a very good substitute for the shell fish itself. Boiled Salsify, Escalloped Salsify, Fried Salsify and Salsify Soup are delightful dishes.

	Pkt.	Oz.	$\frac{1}{4}$ -lb.	Lb.
Mammoth Sandwich Island .....	.10	.25	.75	\$2.50

## Sorrel

The large leaves, when cooked like spinach, make a very palatable vegetable.

**LARGE-LEAVED FRENCH**—The variety having the largest leaves and therefore the most desirable. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 85c, lb. \$2.50.

## Spinach

An easily grown plant, the seed of which may be planted in the fall to secure good spinach early in the spring or even throughout the winter. The better and richer the soil the larger and more tender the leaves will be. As a field crop for the market garden, use eight pounds of seed per acre. For the home garden use one ounce for 100 feet of row.

**BLOOMSDALE**—A great favorite; thick, dark green, wrinkled leaves; hardy, of fine substance and flavor. One of the best shipping varieties. Pkt. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**SPINACH, LONG STANDING**—The best long season variety; withstands the hot summer weather, without going to seed, better than any other. Leaves large, thick and crumpled, with a fleshy appearance; very desirable. Pkt. 10c,  $\frac{1}{4}$  lb. 30c, lb. 75c.

**SPINACH, WINTER PRICKLY**—A splendid fall and winter sort, but also well adapted for spring use. Hardy, large plants of vigorous growth with thick and dark green leaves. Pkt. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**SPINACH, MONSTROUS OR VIROFLAY**—Very broad leaved, round seeded. Pkt. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

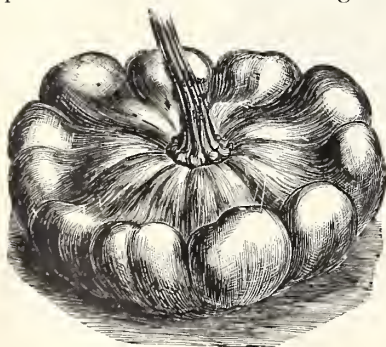
**SPINACH, NEW ZEALAND**—A plant with thick, fleshy texture and soft crystalline leaves. Is not like the ordinary spinach in appearance, and will stand heat wonderfully. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.



LONG STANDING SPINACH

## Squash

Squashes should be planted in a warm, light, rich soil, after the weather has become settled and warm, about the middle of May or June. Plant in well-manured hills, in the same manner as Cucumbers or Melons—the bush varieties three or four feet apart each way and the running kinds from six to eight feet. Eight to ten seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from bugs is over, leaving three or four of the strongest plants per hill. An occasional feeding of liquid manure will repay in size of fruits.



**EARLY WHITE BUSH SCALLOP SQUASH**—A very early variety, with flat, creamy white, scalloped squashes, 4 to 6 inches in diameter. The vine is bush in habit and rather dwarf. This variety is the common "patty pan" squash. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**BOSTON MARROW**—A popular variety, with large oval fruit. Skin bright reddish orange with light cream netting. Flesh orange. Fine grained and of excellent quality. This is the most popular variety for canning. The California canners plant several hundred acres annually and the fruit makes a rich orange-red, and delicious flavored dish. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**FORDHOOK**—A good variety for early winter or even summer use. The fruit is oblong, slightly ridged, is creamy yellow outside, and the flesh is thick, and when cooked is of most delicious flavor. Is solid and is a splendid keeper; 10 in. long. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.75.

**PERFECT GEM or CREAM**—Long-keeping winter Squash, 4 to 6 inches in diameter; apple shaped, distinctly ribbed with smooth, cream-colored skin. Is solid and rather hard, but bakes to a delicious soft consistency on the inside. Although a small variety, it is a great keeper. It is used both as a summer squash and as a winter sort. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.



HUBBARD SQUASH

**YELLOW SUMMER CROOKNECK**—The well-known summer variety. Fruit long, skin very much warted; bright golden yellow. Very fine and tender when young. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**TRUE HUBBARD**—This is the well-known winter squash, now grown so largely throughout the country. Vines of strong running growth; fruits large olive shape, with dark green skin and very rich flesh. An excellent keeper and of splendid quality. Our strain is extra fine (see illustration above from photograph). Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**ITALIAN MARROW (Cocozelle Bush)**—The very earliest of all the Squashes. Although usually eaten when quite small, still it is good for the table when nearly full grown; has a distinct flavor. The color is dark green at first, but changes to a lighter green as it matures. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.00.

# Tomato



IMPROVED STONE TOMATO

**STONE**—This variety is very large and of a bright scarlet color; smooth, ripening to the stem without a crack; exceedingly solid; an excellent shipper, quality very best, fine for canning, a good keeper, not subject to rot, its vines and foliage rank and robust. Pkt. 10c, oz. 40c, ¼ lb. \$1.25, lb. \$4.00.

**SAN JOSE CANNER**—Smooth, solid, very large fruits, which are nearly round or slightly flattened, and grow very uniform in size and shape. Its fine quality, splendid shape, large size and its great productiveness have made this late variety almost a standard sort of red tomato for main crop use. Pkt. 10c, oz. 75c, ¼ lb. \$3.50, lb. \$10.00.

For early plants sow in hot beds in February, in drills 5 inches apart and ¼ inch deep. When the plants are about 2 inches high, transplant into another hot bed 4 inches apart each way; plant out in the open ground early in May, or as soon as danger from frost is over, 4 feet apart each way in hills, which should have a shovelful of well-rotted manure mixed with the soil. Water freely at time of transplanting. When the first fruit is set, pinch off the ends of the branches to obtain early fruit. Sufficient plants for a small garden can be grown in a shallow box or large flower pot, by placing it in a sunny window in a warm room or kitchen. For late use sow in a sheltered border in May, and set out the plants in July; the green fruit can be picked off before frost and ripened under glass. By training the vines on trellises or tying to stake, the fruit will ripen better and be of finer quality.

**DWARF CHAMPION**—A dwarf variety, sometimes called the tree tomato on account of its upright growth and its ability to stand alone without trellising. Fruit medium-sized, smooth, uniform and of a purplish-carmine color. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, lb. \$5.00.

**EARLIANA (Sparks)**—A large, smooth, bright scarlet tomato, very valuable for early market use. Pkt. 10c, oz. 40c, ¼ lb. \$1.35, lb. \$4.00.

**CHALK'S EARLY JEWEL**—The largest, smoothest, and finest-flavored extra early bright red Tomato! Within a week to ten days as early as Sparks' Earliana, it is even a heavier cropper, with tomatoes of larger size and sweeter flavor, produced continuously throughout the season. The plants are of strong, robust growth, with ample foliage to protect the fruits from sunscald, and not likely to blight. The bright scarlet fruits are smoothly round, very deep, and solidly meaty, with only a few quite small seed-cells, and of remarkably fine sweet flavor. Pkt. 10c, oz. 40c, ¼ lb. \$1.35, lb. \$4.00.

**GOLDEN QUEEN**—Smooth, large, bright yellow fruit of fine quality. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, lb. \$5.00.

**HUSK TOMATO or GROUND CHERRY**—A small variety that is covered by a loose covering or husk. The true edible variety is yellow and is used for preserves. Pkt. 10c, oz. 75c.

**MATCHLESS**—Well worthy of its name; it is hard to match. It produces large red fruits throughout the entire season; flesh very solid, heavy and free from any core. If we were to plant but one variety of tomatoes it would be the Matchless. Pkt. 10c, oz. 40c, ¼ lb. \$1.35, lb. \$4.00.

**PONDEROSA, or BEEFSTEAK TOMATO**—An extremely large, irregular-fruited variety. Vine tall and fruit very solid and purplish-carmine in color. Rather coarse and late. Pkt. 10c, oz. 65c, ¼ lb. \$2.20, lb. \$6.50.

**TROPHY**—An old favorite and much esteemed for its productiveness and hardness. Our stock is the Improved Trophy, a smooth, bright scarlet. Pkt. 10c, oz. 40c, ¼ lb. \$1.25, lb. \$3.50.

**YELLOW PEAR SHAPED**—A small-fruited variety, very useful for salads, when the fruit is simply cut in two lengthwise. Pkt. 10c, oz. 75c.

# Tobacco

Sow early in frames or seed beds and transplant when weather has become warm and frost has passed. Set in 4-ft. rows, 30 in. apart.

**CONNECTICUT SEED LEAF**—Is the hardest variety in cultivation. Pkt. 10c, oz. 75c, ¼ lb. \$2.50, lb. \$7.50.

**VIRGINIA OAK HILL**—Pkt. 10c, oz. 75c, ¼ lb. \$2.50, lb. \$7.50.

**KENTUCKY YELLOW**—Pkt. 10c, oz. 75c, ¼ lb. \$2.35, lb. \$7.00.

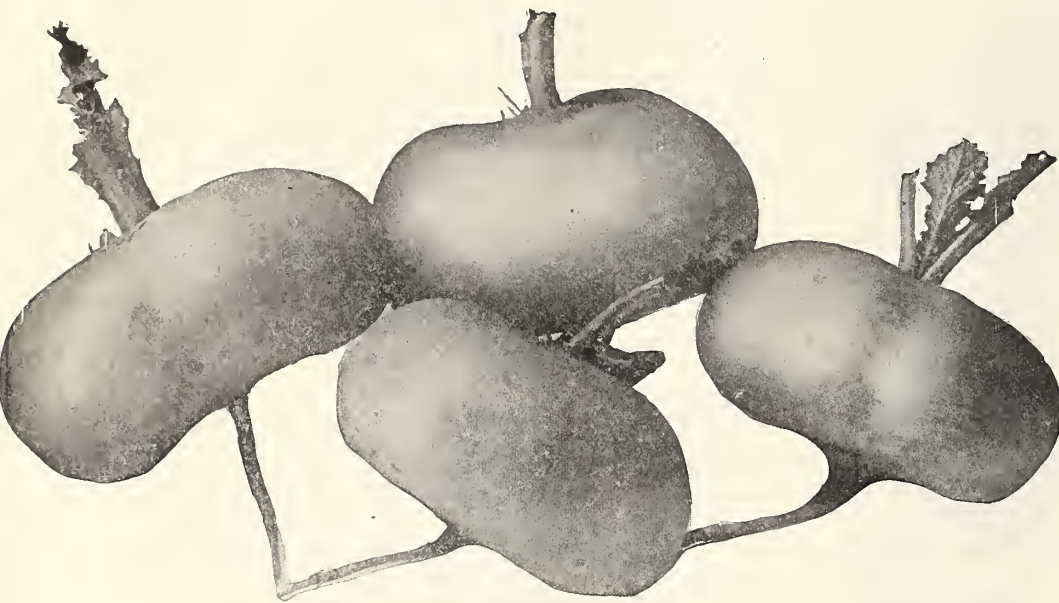
**TURKISH**—Pkt. 15c, oz. \$1.00, ¼ lb. \$3.35, lb. \$10.00.

**WHITE BURLEY**—Pkt. 10c, oz. 75c, ¼ lb. \$2.50, lb. \$7.50.

WRITE FOR PRICES ON LARGER QUANTITIES

## Turnips

For early use, sow as soon as ground opens in spring, in drills from 12 to 15 inches apart; thin out to 6 or 9 inches in the rows. For succession, continue to sow every two weeks until June; for fall and winter crop, sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November, or before severe frosts; cut off tops within an inch of the crown, store in cool cellar or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw, and finish by earthing up, covering them with about 12 or 15 inches of earth, leading a trench around the heap to carry off the water. Put away in this manner, they will be found in good condition in spring.



FLAT DUTCH TURNIP

**EARLY SNOWBALL**—The finest white-fleshed, ball-shaped, early table turnip. Bulbs small, smooth and round with white skin and sparkling white flesh, crisp, tender and sweet. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**EARLY WHITE FLAT DUTCH, STRAP-LEAVED**—A fine, early, clear white sort, medium size, of quick growth and excellent quality. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**EXTRA EARLY PURPLE-TOP MILAN**—The finest extra early spring turnip in cultivation. Highly esteemed by the market gardeners, being fully two weeks earlier than Purple-Top Strap Leaf. Flesh white, solid, and of finest quality. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

**GOLDEN BALL, or ORANGE JELLY**—The best yellow garden turnip; a beautiful light golden yellow variety. The flesh is of a deep yellow color,

and the table qualities are unsurpassed. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**PURPLE TOP WHITE GLOBE**—A valuable sort for either table use or stock feeding. Roots globe-shaped, white, with purple top. Flesh white, firm and tender; very large. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**WHITE EGG**—A very smooth, egg-shaped variety, maturing very quickly. Flesh pure white, fine grained, very sweet. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**PURPLE-TOP STRAP-LEAVED**—Flat, medium size, purple above ground, white below. The most popular variety for early use, either for table or stock. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

## Rutabaga or Swedes

If we expect the greatest rewards for our efforts, it is absolutely essential that cattle, horses and hogs have a mixed diet. How long would humans thrive on an unchanged diet? Animals are no exceptions. Stock thrive and enhance in value more rapidly when turnip is fed in liberal quantities. From a point of dollars and cents, next to mangels—turnips are the cheapest feed in the world. Sow  $1\frac{1}{4}$  to 2 lbs. per acre.

**AMERICAN PURPLE TOP RUTABAGA**—Roots of large size, globular, with flesh of deep yellow color and finest quality. Skin yellow with purple top. Excellent for table use and stock feeding. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

## Tree and Palm Seeds

	Pkt.	Oz.
Acacia Baileyana .....	\$ .15	\$ .50
Acacia Melanoxylon .....	.15	.50
Acacia Mollissima .....	.15	.50
Calif. Fan Palm .....	.15	.20
Cypress Monterey .....	.15	.35
Eucalyptus Ficifolia (Scarlet Gum) .....	.25	—
Eucalyptus Globulus (Blue Gum). This is the most popular Gum Tree in California. A very rapid grower and making valuable hardwood	.15	.75

	Pkt.	Oz.
Eucalyptus Rostrata (Red Gum) .....	\$ .15	\$ .50
Grevillea Robusta (Silk Oak) .....	.15	.50
Date Palm, 100 seeds .....	—	.50
Pepper Tree .....	.10	.20
Monterey Pine .....	.15	.50
Sequoia Gigantea (Big Tree) .....	.15	1.00
Sequoia Sempervirens (Calif. Redwood) .....	.15	.50

WE PAY POSTAGE ON ALL SEEDS TO FOURTH ZONE

# California Seed Company's Select Collection of Highest Quality Tested Flower Seeds

Beautify Your Home Grounds—Plant Our Superior Strains of Flower Seeds

The flower seeds we offer are the best strains of the best varieties, and are grown by ourselves, our private growers in America or imported from the most celebrated sources in Europe.

Our flower seed list has been carefully revised, some new sorts added, and all the inferior kinds omitted, so that there is nothing in the list but what is worthy of cultivation, and if reasonably cared for will give the best and surest to please, a condensed list of leading kinds, and not the most bewildering and extensive list of varieties. No garden or lawn, whether large or small, is complete without a flower bed grown from our Select Flower Seeds.

Flowers beautify your home grounds; they are essential to happiness, and what money is expended for them will bring full measure of enjoyment and satisfaction to the purchaser.

## ASTERS

A hardy annual of easy culture. Sow seed in February, March or April in open ground, and they will bloom finely in August and September. Cover the seeds about one-quarter inch in depth in very light soil, and when the plants have three or four leaves transplant about 20 inches apart in well-prepared beds. Unslaked lime or wood-ashes applied to the beds will prevent disease and keep insects away.

### HEART OF FRANCE ASTERS

This new variety is the best pure red Aster ever introduced. Heart of France opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The flowers are large and full, with never a trace of hollow center. The plants are of branching type and very robust habit. The stems are long and strong and have very few laterals. The plants begin to bloom quite early in the season and open fully with the mid-season varieties. They retain their brilliancy and luster for a longer period than almost any other color.

pkt. 10c 1/8-oz. 50c

### NEW ASTERS CALIFORNIA GIANTS (A Novelty of Merit)

These new Giant Asters are a cross between Giant Crego and Beauty types. Of vigorous growth and producing long stout stems without laterals. These Asters measure from 5 to 6 inches across, and stand up well when shipped as cut flowers. We offer these wonderful Asters in the following shades:

Peach Blossom .....	pkt. 25c
Light Blue .....	" 25c
Deep Purple .....	" 25c
Deep Rose .....	" 25c
Grand Mixture .....	" 25c
Collection of four separate colors as above, 90c.	

### What Our Customers Say About Our Tested Flower Seeds

Ferndale, Cal.,  
November 3rd, 1922.

Calif. Seed Co.  
Gentlemen:

I wish to say that I was awarded a Special Prize on Asters grown from your seed at the Humboldt Co. Fair.

Yours respectfully,  
MRS. P. P.,

Ferndale, Humboldt Co., Cal.

Calif. Seed Co.  
Gentlemen:

I bought some Asters from you last season, and every one declared they were the best Asters they had ever seen.

MRS. K. L.,  
Oakland, Cal.

A FEW SUGGESTIONS ABOUT SOWING, ETC.—We give here a few general rules which will be helpful to beginners. The soil best suited to flowers is a light, rich loam, which should be as fine and smooth as possible. Should the soil be heavy, mix with sand or peat to lighten it. Sow the seed either broadcast or in rows, and cover in proportion to the size of seeds—a good general rule is to cover two or three times the size of the seed—and press the soil firmly.

Small seeds cannot come up if covered deep. Water with a fine spray and do not allow the soil to dry out. Sow annuals early in the spring. Some sorts should be started in the house early in seed boxes, earthenware pans or flower pots. When three or four leaves have formed, transplant to similar boxes one inch apart, or in the open ground, if warm enough.

ALL FLOWER SEEDS SENT PREPAID BY MAIL ON RECEIPT OF PRICE.

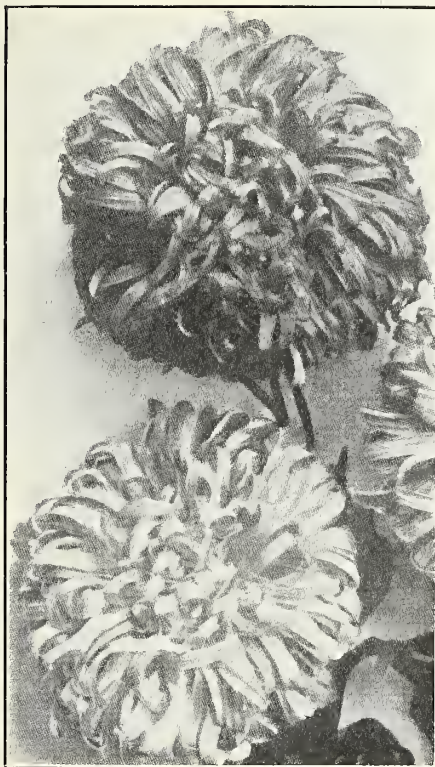
CULTURAL DIRECTIONS ARE PRINTED ON EVERY PACKET.

### GREGO GIANT ASTERS

The finest and largest of the Comet Asters, bearing immense flowers of the most graceful form with very long petals decidedly curled and twisted. They are produced in great abundance on long, strong stems, and are unsurpassed for cutting.

	Pkt.	1/4-Oz.
White .....	\$ .10	\$ .50
Pink .....	.10	.50
Crimson .....	.10	.50
Azure Blue .....	.10	.50
Lavender .....	.10	.50
Rose .....	.10	.50
Purple .....	.10	.50
Mixed Colors .....	.10	.50

Collection of seven separate colors as above, 60c.



CALIFORNIA GIANT ASTERS

### GIANT COMET ASTERS

This variety is also known as Ostrich Plume Aster, and is a highly developed type, with flowers of immense size, composed of long, wavy, twisted petals gracefully formed into loose, densely double, half globes.

	Pkt.
White .....	\$ .10
Crimson .....	.10
Light Blue .....	.10
Dark Blue .....	.10
Rose .....	.10
Mixed Colors .....	.10

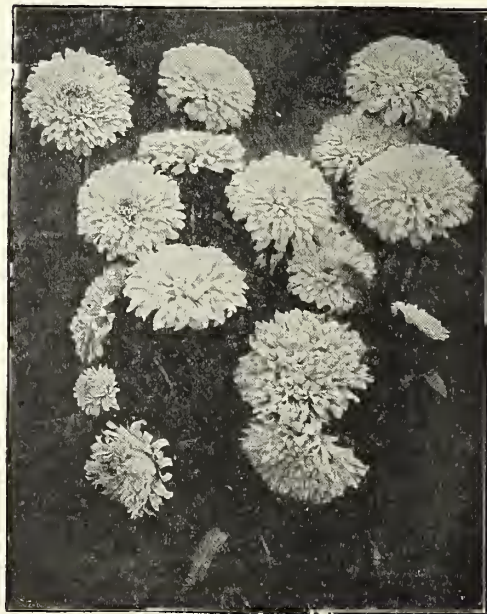
Collection of five separate colors as above, 40c.

### VICTORIA ASTERS

Plants bear from 10 to 20 fine reflexed flowers in a pyramid about 18 inches high. Splendid for bedding.

	Pkt.	1/4-Oz.
Daybreak—Shell pink .....	\$ .10	\$ .75
Purity—Pure white .....	.10	.75
Azure—Deep lavender blue .....	.10	.75
Pale Lavender .....	.10	.75
Salmon Pink .....	.10	.75
Excellent Mixture, all colors .....	.10	.60

Collection of five separate colors as above, 40c.



VICTORIA ASTERS

WE PAY POSTAGE ON ALL FLOWER SEEDS

## Asters—Continued



GIANT COMET ASTERS

## AMARANTHUS

A tender annual, thriving in a hot, sunny location, growing five feet high and bearing brilliant blood-red foliage.

*Amaranthus Caudatus* (Love Lies Bleeding) .....pkt. 10c

## ANEMONE

*SINGLE GIANT DE CAEN*—The giant French Anemone. Half-hardy perennial. Excellent for cutting. Cup-shaped flowers in blue, red, and white. Blooms May and June. Nine inches high. Pkt. 10c.

*ST. BRIGID* (Irish Anemone)—Enormous blooms, the size of tulips, with great variety of striking colors. Pkt. 15c.

## ARCTOTIS GRANDIS (The African Lilac Daisy)

A remarkably handsome annual from Africa, forming branched bushes two to two and a half feet in height and breadth. Are pure white on the upper surface, reverse of petals pale lilac. Pkt. 10c, ¼ oz. 30c.

## ASPARAGUS

Seeds start slowly and should be soaked in good warm water before sowing.

*PLUMOSUS ROBUSTUS*—The tall asparagus fern with delicate feathery foliage. Pkt. 10c, 100 seeds 75c.

*PLUMOSUS NANUS*—A dwarf variety and sometimes preferred on account of its beautiful dense sprays of feathery green. Pkt. 10c, 100 seeds 75c.

*SPIRENGERI* (Emerald Feather)—An early, easily grown, feathery-leaved variety, with drooping branches. The variety for hanging baskets. Pkt. 10c, 100 seeds 50c.

AUSTRALIAN PEA VINE (*Dolichos Lignosus*)

A rapid-growing evergreen climbing perennial, flowering freely in clusters of rose pea-shaped flowers. For covering arbors, trellises, etc., they have no superior; Pkt. 10c, oz. 60c.

## BRANCHING OR SEMPLES ASTERS

Best aster for florists, producing fine plants usually 18 inches in height; flowers very large and showy, borne on long, stout stems; valuable for bouquets.

	Pkt.	¼-oz.
Bright Rose .....	\$.10	\$.50
Crimson .....	.10	.50
Lavender .....	.10	.50
Pink .....	.10	.50
Purple .....	.10	.50
White .....	.10	.50
Fine Mixed, all colors .....	.10	.30

Collection six separate colors, as above, 50c.

## ASTER, NEW ENGLAND PERENNIAL (Michaelmas Daisies)

In splendid assortment, four to five feet. Very handsome, hardy wild flowers of New England; fall blooming. Blue, lilac and pinkish. Mixed, pkt. 10c.

## SPECIAL MIXTURE OF ASTERS

This is a mixture composed of all the different types of asters. Pkt. 10c, oz. \$2.00.

## AQUILEGIA (Columbine)

A hardy perennial growing about two feet high and bearing an immense variety of colors on long, smooth stems. Stands partial shade very well.

*CALIFORNIA HYBRIDS*—Large yellow flowers, orange spurs, an improvement on our native sort. Pkt. 15c, ¼ oz. 50c.

*CHRYSANTHA*—Pure golden yellow, single long spurs; three feet. Pkt. 10c.

*COERULEA* (Rocky Mountain Blue Columbine)—Fine deep blue and white; long spurs. Pkt. 10c.

*LONG SPURRED HYBRIDS*—Mixed. Pkt. 10c, ¼ oz. 50c.

## ACROLINIUM (See Strawflowers)

## AGERATUM (Floss Flower)

A hardy annual of easy culture, especially valuable for bedding, as it is literally covered with blossoms all summer. Sow the seed early in the spring, either in boxes to transplant, or out of doors, and thin to four or six inches.

*BLUE PERFECTION*—Deep blue, one foot high. Pkt. 10c, oz. 75c.

## ALYSSUM

Popular, free-blooming annuals, suitable for borders, baskets, pots, rockwork and for cutting. They are very hardy, and the seed may be sown in permanent bed very early in spring, or the previous fall, sowing quite thickly, to form masses. For winter bloom, indoors, sow in baskets or pots late in August, thinning the plants to about a dozen to each basket. Cut back after the first flowers fade and other will come on.

*Little Gem, or Carpet of Snow*—A beautiful white Alyssum for edgings, borders and rockwork. The plants grow about 6 inches high and are covered with a compact mass of white blooms. Pkt. 10c, oz. 75c.

*Alyssum Benthami* (Sweet Alyssum)—One of the finest annuals for edging. It begins to bloom early in the season and continues until frost, and is pleasantly fragrant. Pkt. 10c, oz. 35c.



SWEET ALYSSUM FOR BORDERS



ANTIRRHINUM (Snapdragon)

## Antirrhinum (Snapdragon)

Snapdragons are one of the best cut flowers which can readily be grown from seed, while for beds or borders they are a constant source of pleasure, being in flower all the time. They succeed best in a rather light soil, in a sunny position, and although perennials, are best treated as annuals. For early flowering, sow in fall, protecting the plants from the frost. Sown in spring, they bloom from midsummer till frost.

### LARGE FLOWERING TALL SORTS (About 30 Inches High)

Giant Garnet—Very rich, deep red .....	Pkt. \$ .10
Giant Pink—Silvery pink .....	.10
Giant Rose—Beautiful rose shade .....	.10
Giant Yellow—Real, clear yellow .....	.10
Giant Queen Victoria—Pure white .....	.10
Collection five separate colors, as above, 40c.	
Giant Tall Sorts, in splendid mixture. Pkt. 10c, ¼ oz. 30c.	

### SEMI-DWARF LARGE FLOWERING SORTS (About 18 Inches High)

Canary Bird—Light yellow .....	.10
Cottage Maid—Pink, with white throat .....	.10
Daphne—Soft blush pink .....	.10
Defiance—Orange red .....	.10
Firebrand—Rich, deep red .....	.10
Queen of the North—Pure white .....	.10
Fawn—Terra cotta and pale yellow combination .....	.10
Rose Queen—Beautiful rose .....	.10
Collection of the above eight varieties, semi-dwarf types, 65c.	
Grand mixture of Semi-Dwarf varieties, best for bedding purposes. Pkt. 10c, ¼ oz. 30c.	

### BALLOON VINE, or LOVE-IN-A-PUFF

Climbing annual, with small flowers. The seed pods are curiously swelled or puffed, and are quite attractive. Pkt. 10c, oz. 25c.

### BALSAM, or LADY'S SLIPPER

A tender annual, with brittle stems and foliage. Grows about 12 inches high. Flowers both single and double, in bright colors and variations; are wax-like and very attractive. The individual blossoms floating in a dish of water exhibit their beauty to the best advantage.

Giant Camelia Flowered, Mixed—The largest double variety. Pkt. 10c, ¼ oz. 30c.

### BARTONIA AUREA (Golden Bartonia)

A hardy annual growing about two feet high and bearing golden yellow flowers, which have a metallic luster when the sun shines on them. Is a native of California. Sow the seed where the plants are to remain, since it does not transplant easily. Pkt. 10c, oz. 60c.

### BEAN (Scarlet Runner)

A popular climber. The seed is edible and much esteemed. Flowers scarlet; beans black and lake splashed. Pkt. 15c, lb. 40c.

### BRACHYCOME (Swan River Daisy)

A hardy annual growing from 6 to 10 inches high and producing an abundance of pretty blue and white flowers. Pkt. 10c.

## Begonia

### Fibrous Rooted Varieties

For outdoor culture, having beautiful leaves and bearing clusters of small, waxy flowers.

VERNON—Deep red flowers and dark purple foliage, often used for borders and for bedding; half-hardy. Pkt. 10c.

### Tuberous Rooted Varieties

For greenhouse and pot culture, having large, waxy flowers in brilliant colors. Many prefer to start bulbs in December and January.

DOUBLE VARIETIES—Mixed. Pkt. 50c.

INTERNATIONAL PRIZE—The finest large flowered single mixture. Pkt. 35c.

## Bellis (Daisy)

### (English Daisy)

Daisies are easily grown from spring-sown seed, and come into flower in a very short time. They thrive best in cool, shady places, but do well in almost any soil. Admirably adapted for edging, borders and low beds.

EXTRA DOUBLE WHITE, or SNOWBALL—A clear white variety. Pkt. 10c, ¼ oz. 60c.

LONGFELLOW—Double dark rose. Pkt. 10c, ¼ oz. 60c.

GIANT WHITE—Flowers are very large and the plants of vigorous growth. Pkt. 25c.

GIANT ROSE—Same as the above except in color. Pkt. 25c.

GIANT MIXED—Pkt. 25c.



CALENDULA

**CALENDULA, HARDY MARIGOLDS**

**ORANGE PRINCE**—Very hardy annual, one foot high, blooming freely at any time of year and for several months. Is of the easiest culture and is desirable for rather inferior soils, where less sturdy flowers do not thrive. Pkt. 10c, oz. 30c.

**METEOR**—Large double yellow flowers, striped with orange. Pkt. 10c, oz. 30c.

**DOUBLE MIXED**—A good mixture of 8 or 10 different shades of yellow, some clear colors and some shaded and striped. Pkt. 10c, oz. 25c, ¼ lb. 75c.

**CANDYTUFT**

A hardy annual, growing about 6 to 18 inches high, according to the variety. The blossoms are borne on variously long spikes, and the newer varieties are quite large flowering and very fragrant. Of easy culture and valuable for bedding or massing.

**COMMON SWEET SCENTED**—Small white flowers. Pkt. 10c, oz. 25c.

**CARMINE**—Branching. Pkt. 10c.

**PURPLE**—Branching. Pkt. 10c.

**GIANT HYACINTH FLOWERED or IMPROVED EMPRESS**—Very large heads and long spikes of white flowers. Pkt. 10c, ¼ oz. 20c, oz. 60c. Mixture of all colors, pkt. 10c.

**LAVENDER**—Delicate shade of lilac. Pkt. 10c, oz. 40c.

**ROSE CARDINAL**—A new and striking color, deep rosy cardinal. Pkt. 10c, oz. 60c.

Collection of a packet each of the above six sorts, 50c.  
All colors mixed. Pkt. 10c, oz. 30c, ¼ lb. \$1.00.

**CACALIA (Tassel Flower)**

A beautiful and profuse flowering plant, with tassel-shaped orange and scarlet flowers; fine for mixed borders. Hardy annual. Pkt. 10c.

**CALCEOLARIA**

**HYBRIDA GRANDIFLORA TIGERED**—Fine greenhouse plants, beautifully blotched, striped and variegated; seed saved from the finest flowers. Pkt. 25c.

**RUGOSA (Shrubby)**—True bedding variety; innumerable very small flowers. Pkt. 25c.

**CANARY BIRD FLOWER (Tropaeolum Canariensis)**

A tender climbing annual of the Nasturtium family. Blossoms have curiously wrinkled petals and are light yellow. Soak seed over night before planting. Pkt. 10c, oz. 30c.

**CANNA**

Mixture of the popular varieties. Flowers in red, yellow, and all plants have large ornamental leaves and give a tropical effect. Mixed, pkt. 10c, oz. 25c.

**CARDINAL CLIMBER**

A strong and rapid-growing climbing annual attaining a height of 30 feet, the fern-like foliage being covered with fiery cardinal-red flowers throughout the summer and fall. Sow in the open when the weather gets warm. Germination will be more certain by filing or cutting a small notch in the seed. Pkt. 15c.

**CASTOR OIL BEAN (Ricinus)**

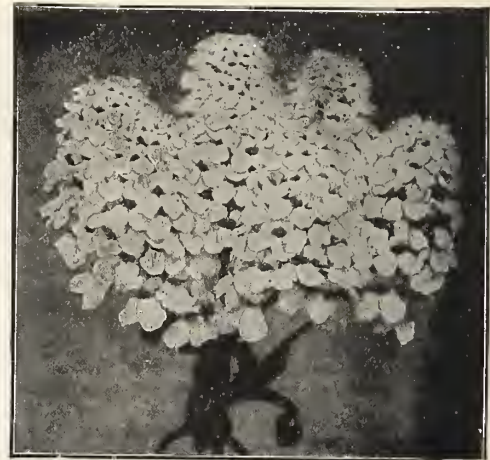
This has large leaves and a tropical appearance. All it requires to flourish is heat. It is a quick-growing annual 6 to 15 feet tall. Leaves are green or reddish. Commercial castor beans are of a different variety.

**GIBSON'S DARK RED**—Pkt. 10c, oz. 20c.

**SANGUINEUS**—Tricolor—Has blood-red stalks and green leaves, with red veins. Pkt. 10c, oz. 20c.

**ZANZIBARENSIS**—Mixed—A very large-leaved variety, deep green and bronze, growing 10 to 15 feet high. Pkt. 10c, oz. 20c.

**MIXTURE OF ALL VARIETIES**—Pkt. 10c, oz. 20c.



CANDYTUFT EMPRESS

**CANTERBURY BELLS**

**CAMPANULA MEDIUM**—A hardy biennial, blooming the second year from seed, or the first year, if sown early. Of easy culture, but preferring rich, moist soil. Grows about three feet high, and bears double and single varieties of blue, white and pink flowers. Single Mixed, pkt. 10c; Single White, pkt. 10c; Single Pink, pkt. 10c; Single Blue, pkt. 10c; Double Mixed, pkt. 10c, oz. 75c.

**CUP AND SAUCER TYPE**—In this variety the outer petal forms a brim like a saucer. Light Blue, pkt. 10c; Pink, pkt. 10c; Pure White, pkt. 10c; Mixed, pkt. 10c, ¼ oz. 75c.

**PERSICIFOLIA**—Peach-bell, perennial; 4 feet; large flowered. Mixed, pkt. 10c; Blue, pkt. 10c.

**PYRAMIDALIS**—Chimney Bellflower. Large flowers on tall (6-foot) spikes; blooms late; perennial. Blue, pkt. 10c; White, pkt. 10c; Mixed, pkt. 10c.

**CARPATICA (Carpathian Harebell)**—A dwarf perennial, 6 inches; for rockeries, edges and beds. Blue, pkt. 10c; White, pkt. 10c; Mixed, pkt. 10c.

**GIANT CARNATIONS**

**DOUBLE DWARF VIENNA**—Produces double, very sweet-scented flowers in a large variety of colors. Pkt. 10c.

**GIANT PERPETUAL DOUBLE**—Superfine mixture of yellow, red, white, striped, etc. Blooms in seven months; flowers very large and deliciously fragrant. Pkt. 25c.

**GIANT MARGUERITE CARNATION**—Very vigorous, hardy race of carnations; bloom in five months from sowing. For masses of bloom few plants are finer, producing a profusion of blossoms. Pkt. 10c, ¼ oz. 40c.



GIANT CARNATIONS

## Calliopsis

Showy and beautiful free-flowering annuals, of the easiest culture, doing well in any sunny position, blooming all summer, and excellent for cutting and massing. It is best to sow them where they are to bloom in spring thinning out to stand 6 inches to 12 inches apart.

**CRIMSON KING**—A fine dwarf sort, 9 inches high; color rich velvety crimson-scarlet. Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**GOLDEN WAVE**—The largest flowering variety. Clear yellow. Pkt. 10c, oz. 50c.

**DRUMMONDII**—Mixed. A gorgeous mixture of golden yellow, brown, maroon, and other shades. Pkt. 10c, oz. 30c.

**BICOLOR HYBRIDA SEMIPLANA**—Semi-double flowers of garnet and yellow. The old-fashioned small Coreopsis. Pkt. 10c, oz. 30c.

## Coreopsis

No flower is longer in bloom during the whole season than Coreopsis. It is a most excellent cut flower, lasting well; color, bright yellow; flowers large and showy; hardy perennial, easily grown from seed; 2 feet.

**LANCEOLATA GRANDIFLORA**—Pkt. 10c,  $\frac{1}{4}$  oz. 25c.

## Celosia (Cockscomb)

Beautiful plants, producing large, showy plumes, curled and curved, very much resembling ostrich feathers.

**CELOSIA THOMPSONI MAGNIFICA**—Mixed. Pkt. 10c,  $\frac{1}{4}$  oz. 50c.

**CELOSIA CRISTATA (Glasgow Prize)**—Fine crimson. Pkt. 10c.

**CELOSIA PYRAMIDALIS (Plumosa)**—Crimson plumes. Pkt. 10c; yellow plumes, pkt. 10c.

**CHINESE WOOL FLOWER**—New variety. Has a crimson, globe-shaped head, like a ball of crimson silky wool. Pkt. 20c.

### COBAEA SCANDENS

A rapid-growing climber with dark green foliage and bell-shaped flowers. A tender perennial, but generally grown as an annual. May be grown in the conservatory in winter. Start the plants indoors early in spring and transplant outdoors after danger of frost is past. Pkt. 10c.

### COIX LACHRYMAE (Job's Tears)

A curious ornamental grass with broad, corn-like leaves and lustrous slate-colored seeds. Hardy annual. The seeds are also used for fancy bead work. Pkt. 10c, lb. \$2.00.

### COLEUS

Splendid bedding plants with beautifully colored foliage, very useful for pot or window gardening; fine Hybrids mixed. Pkt. 15c.

**EXHIBITION STRAIN**—Finest mixed. Pkt. 25c.

### COLLINSIA

A free-flowering and easily-grown annual, growing from one to two feet; flowers white, crimson, purple, etc. A California wildflower. Mixed. Pkt. 10c, oz. 25c.

### CLARKIA

This hardy annual is of easy culture, bearing bright rose, white, or purple flowers in great profusion. The single type is native to California and is a wild flower. Seed sown in the fall will give early blossoms in the spring. Seed can be sown almost any time. The Elegans varieties grow 2 feet tall in spikes. The seedlings should be pinched back twice to make bushy plants, once to 3 inches and again to 9 inches.

**DOUBLE ELEGANS**—Mixed. Pkt. 10c, oz. 75c.

**SINGLE ELEGANS**—Mixed. Pkt. 10c, oz. 60c.

### CLEMATIS

A popular hardy perennial climber. An old favorite, and justly so, for there are few garden climbers that give more satisfaction. Mixed colors, pkt. 10c.



TYPES OF CALLIOPSIS

WE PAY POSTAGE ON ALL FLOWER SEEDS



CENTAUREA—CORNFLOWER

## Centaurea or Cornflower

A hardy annual embracing a number of species, some being grown only for their foliage. All varieties grow from 1½ to 2 feet high. Sow the seed early and transplant in March. Except the white-leaved sorts, all make excellent cut flowers. **CYANUS** (Bachelor's Button, or Bluebottle, or Corn Flower)—Of easy culture. Sow the seed where it is to remain and thin to three or four inches. Mixed, pkt. 10c, oz. 30c.

	Pkt.	¼-oz.
Double Blue .....	\$.10	\$.25
Double Pink .....	.10	.25

### ROYAL SWEET SULTANS (Centaurea Imperialis)

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut-flower purposes. The beautiful sweet-scented flowers are borne on long, strong stems, and when cut will stand for several days in good condition. The plant itself is much stronger than any other Sweet Sultan; of easy culture. Sow in the fall or early in the spring, so that they may perfect their flowers before very hot weather comes. We offer the following distinct colors:

	Pkt.	¼-oz.
Rose Shades .....	\$.10	\$.30
Lavender .....	.10	.30
Purple .....	.10	.30
White .....	.10	.30
Yellow .....	.10	.30
Mixed Colors .....	.10	.25

## Cosmos

The popular fall flowers. A strong, tall growing annual. Most effective when planted in masses or long background borders against evergreens or fences. Seed sown in February will bloom by August and continue in bloom until killed off by frost.

CAL. GIANT WHITE—Pkt. 10c, oz. 50c. CAL. GIANT RED—Pkt. 10c, oz. 50c.

CAL. GIANT PINK—Pkt. 10c, oz. 50c. CAL. GIANT MIXED—Pkt. 10c, oz. 35c.

KLONDYKE—Orange colored. Pkt. 10c, ¼ oz. 35c.

### NEW EXTRA EARLY DOUBLE FLOWERING COSMOS

They bloom in seventy days from the day seed is sown, so that seed sown the latter part of April will easily be in bloom by the Fourth of July and continue until cut down by frost.

COSMOS EARLY FLOWERING DOUBLE WHITE—Pkt. 15c.

COSMOS EARLY FLOWERING DOUBLE PINK—Pkt. 15c.

COSMOS EARLY FLOWERING DOUBLE CRIMSON—Pkt. 15c.



SUMMER CHRYSANTHEMUMS



CALIF. GIANT COSMOS

## Chrysanthemum (Annual Varieties)

Summer-blooming annuals, of compact growth, producing quantities of large single flowers, 2 inches across, and of striking beauty. Colors, crimson, gold, maroon, white, etc.; very effective for flower beds and for cut flowers. 2 to 2½ feet. Sow the seed where it is to remain and thin to about 6 inches apart.

**EVENING STAR (Helios)**—This is a tall plant with large Marguerite-like flowers of pure golden yellow, three inches in diameter. Flowers are borne singly and are excellent for cutting. Pkt. 10c, oz. 50c.

**EASTERN STAR**—Beautiful primrose, with brown disc. Pkt. 10c, oz. 50.

**MORNING STAR**—Like Evening Star, only of different color. This is a soft yellow or primrose color. Pkt. 10c, oz. 50c.

**NORTHERN STAR**—Another variation of these beautiful Marguerites. Fine large ivory-white flowers with sulphur zone. Pkt. 10c, oz. 50c.

Collection of Annual Summer Chrysanthemums, 4 varieties, 30c.

**GRAND MIXTURE OF ALL VARIETIES**—Pkt. 10c, oz. 40c.

**JAPANESE HYBRIDS**—A mixture of the large-flowering, florists' varieties. These mixtures are the large, autumn flowers used in exhibitions and by florists. They are usually grown from cuttings and do not come true from seed. Pkt. 25c.

The large double Chrysanthemums are grown from plants and are listed in our Nursery Section.



CINERARIA STELLATA

## Cineraria

These plants are invaluable for the decoration of the conservatory or for bedding outside in partial shade; unsurpassed for richness and variety of vivid colors, ranging through all shades of blue, purple and crimson; the seed is easily started and the plants grow readily in good ordinary soil. Sow in boxes in the summer for spring blooming, or early in spring for late summer flowering.

**CINERARIA STELLATA RADIATA**—Beautiful variety, small star-shaped flowers of fine form, in mixture of beautiful shades of colors. Special pkt. 35c.



CINERARIA GIANT HYBRIDS

### CYCLAMEN

These are the pretty pot plants you see in the florists around Xmas time. All shades of pinks, whites, reds, etc.

**PERSICUM GIGANTEUM**—Mixed. Very large flowers and very free blooming. Pkt. 25c.

## Dahlia

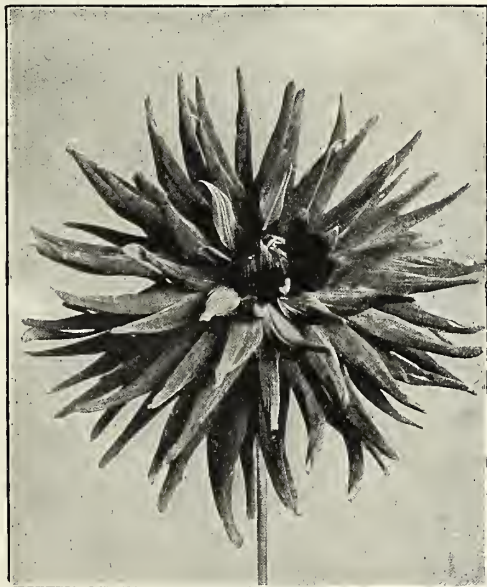
One of the best late summer and autumn flowering plants, and now enjoying a wide popularity. The double and cactus sorts will bloom the first season if the seed is sown before the beginning of April; the single sorts will bloom from seed sown in the open ground as late as May, although an earlier start is better.

**DOUBLE CACTUS MIXED**—Pkt. 10c.

**DOUBLE MIXED**—Pkt. 10c.

**PAEONY FLOWERED MIXED**—Pkt. 15c.

**SINGLE GIANT MIXED**—Pkt. 10c.



CACTUS DAHLIA  
DAISY (See Bellis)

**CINERARIA GIANT FLOWERING**—This strain from the best grown in Europe, is unsurpassed for its wonderful shades and size of blooms. Tall growing, with beautiful foliage. Special pkts. 35c.

**CINERARIA DWARF VARIETIES**—Mixed colors. Pkt. 35c.

### CYPRESS VINE (*Ipomoea Quamoclit*)

A tender, climbing annual, with soft fern-like foliage and small star-like flowers in red and pink, or white. Pkt. 10c, oz. 50c.

### DOLICHOS (Hyacinth Bean)

A rapid-growing annual climber; flowers freely in erect racemes, followed by ornamental seed pods. Sweet-scented. Sow the seed in the open ground in April or May.

**MIXED**—Pkt. 10c.

### SHASTA DAISY

A fine perennial plant bearing large white single blossoms with yellow centers; an excellent cut flower and admired everywhere. Soak seed in warm water overnight before sowing. Sow in boxes and transplant when well started.

**ALASKA**—The best variety. Pkt. 10c, ¼ oz. 50c.

## Dianthus (Pinks)

The brilliant contrasting colors and hardy free-blooming nature of these old favorites of our grandmother's time has kept Pinks in the foreranks of public approval for generations. The tints, colors and formations are marvelous and striking. Those of our customers desiring an endless delight will find it in the growing of Pinks. Sown outdoors when danger from frost is past, and in a few weeks' time they are a mass of bloom.

**CHINENSIS (China Pinks)**—Large, double flowers of beautiful rich color. Pkt. 10c.

**EASTERN QUEEN**—Single, beautifully marbled and striped with dark shades of rose on lighter ground. Pkt. 10c.

**CRIMSON BELLE**—Single, beautiful deep crimson. Pkt. 10c, ¼ oz. 30c.

**FIREBALL**—Double, rich scarlet of compact growth. Pkt. 10c, ¼ oz. 50c.

**LACINIATUS MALMAISON**—Double, clear bright rose. Pkt. 10c, ¼ oz. 50c.

**SINGLE MIXED FRINGED VARIETIES**—Pkt. 10c, ¼ oz. 30c.

**PLUMARIUS (Pheasant's Eye)**—Single, mixed. Pkt. 10c, ¼ oz. 30c.

WE PAY POSTAGE ON ALL FLOWER SEEDS



LARKSPUR

**DELPHINIUM OR LARKSPUR****Hardy Perennial Varieties**

These are taller than the annual sorts with large spikes of brilliant flowers. They are indispensable for permanent beds and borders. Sow the seed in boxes or in a hotbed in the fall or early spring. They will commence blossoming in July and August.

**GOLD MEDAL HYBRIDS**—Rich blue of various shades with black centers, grows 3 to 5 feet high according to soil and location. Finest mixed. Pkt. 10c, ¼ oz. 60c.

**BELLADONNA**—New, beautiful turquoise blue and continuous bloomer; spikes of good size. Pkt. 25c, ½ oz. 75c.

**LARKSPUR****Hardy Annual Varieties**

Exceedingly popular and free-flowering hardy annuals, growing 1½ to 3 feet high, their long spikes of flowers on long stems rendering them of exceptional value for cutting purposes. They are of long-continued bloom and very bright and showy. Sow in the fall or spring.

**EMPEROR MIXED**—Produces abundance of long, slender flowers; fine for cutting. Pkt. 10c, ¼ oz. 20c, 1 oz. 60c.

**Tall, Double, Stock-flowered—**

	Pkt.
Rose .....	\$ .10
Flesh-Pink .....	.10
Carmine .....	.10
Light Blue .....	.10
Dark Blue .....	.10
All Colors, Mixed .....	.10

**DIDISCUS**

**COERULEUS (Blue Lace Flower)**—A hardy annual producing blue blossoms; excellent for cut flower purposes. A money-maker for florists. Pkt. 15c.

**DIGITALIS (Foxglove)**

Highly ornamental hardy perennial plants of stately growth, easy to grow and requiring very little attention. They grow three to five feet high, and the long spikes are covered with long bell-shaped flowers in a variety of colors. Sow the seed outdoors in seed bed in spring and transplant to permanent bed two feet apart. They will bloom the following spring. The soil should be deep, and they do best in partial shade.

**GLOXINIA FLOWERED**—Mixed colors. Pkt. 10c, ¼ oz. 25c.

**ESCHSCHOLTZIA (California Poppy)**

A hardy annual. Sow seed where the plants are to remain, as they do not transplant easily. Seed can be sown in the fall till April or May.

**CALIFORNICA IMPROVED**—A selected type of the common variety, being a deep, rich orange. Pkt. 10c, oz. 30c, lb. \$2.50.

**CRIMSON**—Flowers of the deepest crimson. Pkt. 10c, oz. 60c.

**CHROME QUEEN**—New shade of clear chrome yellow. Pkt. 10c, oz. 50c.

**DAINTY QUEEN**—Pale coral pink on cream ground. Pkt. 10c, ¼ oz. 25c.

**DOUBLE WHITE**—This strain produces sixty per cent double flowers. Pkt. 10c, ¼ oz. 25c.

**FRINGED YELLOW**—Fringed petals. Pkt. 10c, ¼ oz. 25c.

**GEISHA**—Petals prettily fluted, color inside of petals brilliant golden and outside intense orange.

The most beautiful of all Eschscholtzias. Pkt. 15c, ¼ oz. 30c.

**GOLDEN WEST**—Very large, orange-colored blossoms, shading to canary yellow at the edges. Pkt. 10c, oz. 25c.

**ROSY QUEEN**—Rosy pink. Pkt. 10c, oz. 60c.

**VESUVIUS**—Rich, glistening wallflower red. Pkt. 10c, ¼ oz. 25c.

Collection of the above 10 sorts, 80c.

Mixed Colors—Pkt. 10c, oz. 30c, lb. \$3.00.

**FORGET-ME-NOT**

**FORGET-ME-NOT (Myosotis)**—A favorite old-fashioned flower, bearing in profusion, especially in fall and spring, clusters of dainty blue five-petaled blossoms. It thrives well in the shade or open border, but flourishes best in a moist, shady situation.

**ALPESTRIS**—Blue. Pkt. 10c, ¼ oz. 40c.

**INDIGO BLUE**—A new dark indigo color. Pkt. 10c, ¼ oz. 60c.

**VICTORIA**—Large flowers in heads of bright azure blue; plant symmetrical, dwarf and strong grower; good for edgings. Pkt. 10c.

**FOUR O'CLOCK**

Seed should be sown in the open and thinned to one foot. An old-fashioned favorite, with trumpet-shaped flowers freely borne.

**MIXTURE OF ALL COLORS**—Pkt. 10c, ½ oz. 25c.

**GEUM (Mrs. Bradshaw)**

A brilliant scarlet-cardinal flower the size of a large carnation, which it somewhat resembles. Hardy perennial. Pkt. 10c.

**GILIA**

A hardy annual growing one foot high, with white, lilac or rose-colored flowers. A native of California. Valuable for rock-work or borders. Sow seed in the fall. Mixed. Pkt. 10c, oz. 25c.



FOXGLOVE



GAILLARDIA

## GOURDS

## Both Useful and Ornamental

Rapid growing, interesting annual climbing plants with ornamental foliage and curiously shaped fruit. Excellent for a screen around the back porch, as they are remarkably free from insects. Height 10 to 20 feet.

**CALABASH, or PIPE GOURD**—Pkt. 10c.

**DIPPER AND SIPHON**—A round gourd with a long neck, making an excellent dipper. Pkt. 10c, oz. 25c.

**SUGAR TROUGH**—Has very durable thick shell, which makes fine dishes and other utensils. Pkt. 10c, oz. 25c.

**DISH CLOTH or LUFFA**—Has a very curious, long green fruit, inside of which is a fibrous mass. When shelled and the seeds removed this makes a good dish cloth or bath sponge. Pkt. 10c, oz. 25c.

**HERCULES CLUB** (also called New Guinea Bean)—The fruit is a long, club-shaped gourd, often 3 feet long. Very interesting. Pkt. 10c, oz. 25c.

**NEST EGG**—Like a hen's egg, and are frequently used for nest eggs. Pkt. 10c, oz. 25c.

**PEAR SHAPED**—Pkt. 10c, oz. 25c.

**MIXED GOURDS**—All kinds mixed. Pkt. 10c, oz. 25c.



GODETIA

## GAILLARDIA

A very showy garden plant, with brilliant flowers in scarlet and yellow, blended and shaded. Blooms freely from early summer till autumn. Grows  $1\frac{1}{2}$  to 2 feet high, and the blossoms are borne on long, slender stems. Both single and double varieties are hardy. Sow seed in boxes to transplant.

**GRANDIFLORA**—Single perennial variety of varying shades of reddish brown and yellow. Pkt. 10c,  $\frac{1}{4}$  oz. 25c.

**NEW GIANTS**—A very choice strain; flowers of very large size in various colors; perennial. Pkt. 50c,  $\frac{1}{4}$  oz. 50c.

## GLOXINIA

Beautiful hothouse plants, with large, bell-shaped blossoms, which come in rich, velvety deep, and bright colors, some of which are beautifully marked. Sow in fall or early spring.

**HYBRIDA GRANDIFLORA**—A superb strain containing the spotted hybrids, as well as the self-colored sorts. Pkt. 50c.

## GOMPHRENA, or GLOBE AMARANTH—See Strawflowers

## GYPSOPHILA (Baby's Breath)

A hardy annual of easy culture. Grows 2 to 3 feet high, and bears a profusion of small star-shaped white flowers. Sow the seed outside in the fall or in spring.

**ELEGANS**—Flowers very largely grown by florists for use in bouquets; white with faint dark lines. Pkt. 10c, oz. 25c.

**PANICULATA**—Fine for bouquets; white flowers; perennial. Pkt. 10c,  $\frac{1}{4}$  oz. 25c.

**PINK (Elegans Rosea)**—A beautiful soft pink. Pkt. 10c, oz. 35c.

## GODETIA (Satin Flower)

Of all hardy garden annuals few are more beautiful than the Godetia, being exceedingly showy when grown in beds and masses; bears freely, flowers of fine size, of exquisite colors and shades, and glistening in the sunlight like satin; compact and bushy in growth. Height 1 to 2 feet. Sow seed in the open ground in the fall for early bloom or any time in spring until May for later flowering.

**DOUBLE ROSE**—Of distinct and graceful habit, producing long sprays of beautiful large double flowers of a delicate rose-pink color with bright carmine center. Fine for cutting and excellent for borders. Height, 2 feet. Pkt. 10c.

**DOUBLE CRIMSON**—Intense double crimson flowers, with same habit as the preceding varieties. Pkt. 10c.

**DOUBLE CARMINE**—A new double sort with bright carmine flowers edged more or less with white. Pkt. 10c.

**DUCHESS OF ALBANY**—Large, glossy, satiny white flowers; two feet. Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**LADY ALBEMARLE**—Large, brilliant crimson; one foot. Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**LORD ROBERTS**—Darkest glowing red with white base; very fine, of compact habit. Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**ROSAMUND**—Large glossy pink; compact. Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

Collection of the above 7 sorts, 60c.

**DOUBLE VARIETIES**—Mixed. Pkt. 10c,  $\frac{1}{4}$  oz. 40c.

**SINGLE VARIETIES**—Mixed. Pkt. 10c, oz. 50c.

## HELIOTROPE

Beautiful porch climber, 4-8 feet tall. Flowers are delightfully fragrant, are small, and come in clusters. Blooms the first season from seed if sown early. Forms a large plant and requires a roomy situation. Can also be grown as a pot plant; h. h. p. Finest mixed. Pkt. 10c.

## HELICHRYSIUM (Everlasting Flower)—See Strawflowers

## HIBISCUS

Shrub-like plants growing from four to six feet high and bearing bright-colored flowers varying from three to five inches in diameter. Perfectly hardy and therefore excellent for mass planting with shrubbery. A fine background for any garden. Mixed. Pkt. 10c.

## POPULAR ANNUAL BEDDING PLANTS

Annual bedding plants are so inexpensive and satisfactory that they should be planted extensively for cut flowers in the home as well as for garden effects. They also make splendid displays in tubs and porch boxes.

We have for early delivery fine large plants that can be set as soon as weather permits, and with little care will bloom freely throughout the season. See Nursery Department.

## CHATER'S FAMOUS HOLLYHOCKS

A hardy perennial, of upright, stately growth, 5 to 8 feet high. The very double varieties are the most desirable, but the newer, semi-double, fringed types are also very popular. Hollyhocks make a fine row in a garden, or a fine background next to a building or high wall or fence. They flower in summer and fall. The seed we offer has been saved from Chater's unrivaled collection of choice improved double varieties.

Double Blood Red  
Double Canary Yellow  
Double Rose Pink

Double Maroon  
Double Newport Pink  
Double White

Any of the above, per pkt. 10c. Collection 6 varieties, 50c.  
Double, All Colors Mixed—Pkt. 10c,  $\frac{1}{4}$  oz. 40c.

**ALLEGHANY FRINGED**—The flowers are semi-double, beautifully fringed, and resemble crushed silk in texture. They are early and perpetual bloomers, and can be depended on to give satisfaction. All colors mixed. Pkt. 10c.

**SINGLE EVERBLOOMING HYBRIDS, MIXED**—Plants can be treated exactly as annuals; the seeds may be started in boxes in March or April, and will commence to flower in July and continue until late in the season. The plants grow about 10 feet high and the flowers come in a large variety of colors. Pkt. 10c.

IPOMOEA (See Moonflower)  
ICE PLANT

**MESEMBRYANTHEMUM CRYSTALLINUM**—A quick-growing, trailing plant, very hardy, used for covering banks. Pkt. 10c.

## KENILWORTH IVY

A hardy perennial trailing plant, with small lavender or purple flowers, especially adapted for hanging baskets or for trailing over walls. Pkt. 10c.

KOCHIA TRICHOPHYLLA  
(Summer Cypress)

A pretty, half-hardy annual, forming compact bushes about  $2\frac{1}{2}$  feet in height, with small feathery light green drooping foliage, which changes, as the summer advances, to a deep green, and to a crimson hue in September. Sow the seed in the spring and transplant to 3 feet apart when well started. Pkt. 10c, oz. 40c.

## KUDZU VINE (Pueraria Thunbergiana)

A new climber of great merit. This vine will grow 8 to 10 feet the first year from seed, and after it is well established will often make a growth of 50 feet in a season. Its foliage is large and it bears small racemes of rosy purple pea-shaped blossoms in August. Pkt. 10c.

## LANTANA

A tender perennial, often becoming shrub-like, 2 to 3 feet high, bearing verberna-like clusters of flowers, in orange, rose and other colors. Blooms constantly all summer. Fine mixed. Pkt. 10c.

## LARKSPUR (See Delphinium)

## LATHYRUS (Perennial Pea)

Showy, free-flowering, hardy perennial climbers. They have not the fragrance of Sweet Peas, but bloom through a long season, are hardy, will live for many years. Four to eight feet.

**LATHYRUS LATIFOLIUS**—Mixed. Pkt. 10c.



HOLLYHOCK

## LAVENDER (Lavandula Vera)

Chiefly cultivated for the delicious and lasting fragrance of its flower; succeeds in any common garden soil. Perennial. Pkt. 10c.

## LINUM (Flowering Flax)

**SCARLET FLAX** (*Linum Grandiflorum Rubrum*)—An attractive, free-flowering, bedding plant, bearing clusters of glossy, bright red, single flowers, saucer-shaped, with black center. Hardy annual; eighteen in. high. Seed may be sown outdoors in spring and plants thinned to one foot apart, but flowering will be much advanced if started indoors, early, and transplanted when weather is warm. Pkt. 10c, oz. 40c.

**PERENNIAL FLAX**—Bluc. Pkt. 10c, oz. 50c.

KOCHIA TRICHOPHYLLA  
LOBELIA

The following dwarf and trailing varieties of this popular and beautiful flowering plant will be found most desirable for pot culture, edgings, hanging baskets, etc., blooming profusely from June to November. The hardy perennial varieties are among the most desirable for pot culture, edgings, hanging baskets; beautiful spikes of handsome flowers.

**CRYSTAL PALACE COMPACTA**—Dark blue. Pkt. 10c,  $\frac{1}{4}$  oz. 50c.

**BARNARD PERPETUAL**—Deep blue, with white eye. Pkt. 10c.

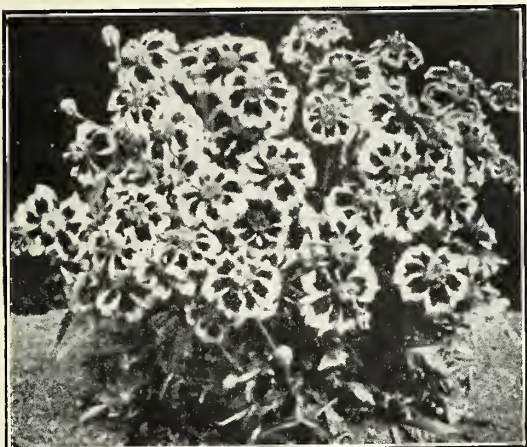
**GRACILIS**—Light blue, trailing, light green foliage. Pkt. 10c.

**LIGHT BLUE**—A fine, bright blue, excellent for blue borders; foliage light green; plant compact. Pkt. 10c,  $\frac{1}{4}$  oz. 50c.

**WHITE GEM** (Compacta)—Snow white. Pkt. 10c.

**CARDINALIS** (Perennial)—Long spikes of richest cardinal red. Pkt. 15c.

WE PAY POSTAGE ON ALL FLOWER SEEDS



MARIGOLD, LEGION OF HONOR

## MARIGOLD

No other annual imparts so much brightness to our gardens for such a long time, from early summer far into the frosts of autumn, as the Marigold. The tall African varieties are very showy when grown in large groups, while the dwarfier French varieties are unusually effective in beds, edgings or pots. Splendid cut flowers; a vase of Marigolds with blue Cornflowers or Larkspurs is very striking.

## DWARF VARIETIES

**LEGION OF HONOR**—Plants compact, 8 inches high; flowers single, golden yellow, marked with dark brown. Pkt. 10c,  $\frac{1}{4}$  oz. 20c.

**GOLD STRIPED**—Flowers very double, brown-red, striped golden yellow; 12 inches. Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**DOUBLE MIXED**—Many varieties. Pkt. 10c, oz. 60c.

## TALL VARIETIES

**AFRICAN LEMON QUEEN**—Two feet high; large, double-colored flowers. Pkt. 10c,  $\frac{1}{4}$  oz. 50c.

**AFRICAN ORANGE KING**—Two feet high; large, double bright oranges; very popular. Pkt. 10c,  $\frac{1}{4}$  oz. 50c.

**AFRICAN MIXED**—Two feet tall. Large double flowers of beautiful shades. Pkt. 10c, oz. 75c.

**FRENCH TALL STRIPED**—Beautiful, small, very double, striped flowers. Pkt. 10c.

**FRENCH TALL DOUBLE MIXED**—Pkt. 10c,  $\frac{1}{4}$  oz. 20c. oz. 60c.

## MOMORDICA

A climbing annual, growing about 10 feet long. Has graceful and ornamental foliage, yellow flowers, and warted golden-yellow fruit, with large carmine-red seeds. Thrives best in a warm location. Plant in spring when the ground has become warm.

**BALSAM APPLE**—Apple-shaped fruit. Pkt. 10c.

**BALSAM PEAR**—Pear-shaped fruit. Pkt. 10c.

## MIGNONETTE (Reseda)

A hardy annual, growing 6 to 12 inches high and bearing pyramid-shaped flower spikes made up of thickly-set flowers which are exceedingly fragrant. Grows easily from seed, and can either be transplanted from boxes or sown out in the garden and thinned to 4 or 6 inches. Sow in the fall for early blossoms in the spring. Sowings made in April and again in July will keep up a succession of bloom from early summer till frost; can also be grown in pots for winter and early spring flowering.

**ALLEN'S DEFIANCE**—When grown under favorable conditions, spikes will not only be of remarkable size—from 12 to 15 inches long—but deliciously fragrant. The individual florets are of immense size, forming a graceful as well as compact spike. Pkt. 10c,  $\frac{1}{4}$  oz. 25c.

**GOLDEN MACHET**—A compact-growing variety, with medium-long, thick spikes of yellow flowers. Pkt. 10c,  $\frac{1}{2}$  oz. 40c.

**PURE MACHET**—A compact-growing variety, with thick spikes and large-size flowerets. Pkt. 10c,  $\frac{1}{2}$  oz. 25c.

**SWEET-SCENTED (Reseda Odorata)**—The spikes are small, but very sweet-scented. Pkt. 10c, oz. 25c.

## LUPINUS OR LUPINS

Hardy annuals and perennials in great variety, growing from 1 to 3 feet high, and bearing spikes of pea-shaped flowers. Of the easiest culture. Sow in the open ground and thin to 6 inches apart.

White—Pkt. 10c, oz. 40c.

## Annual Sorts—Two Feet

White—Pkt. 10c, oz. 40c.

Sky Blue—Pkt. 10c, oz. 40c.

Annual Sorts—Mixed. Pkt. 10c, oz. 25c.

Dark Blue—Pkt. 10c, oz. 40c.

Rose—Pkt. 10c, oz. 40c.

Annual Sorts—Mixed. Pkt. 10c, oz. 25c.

## Perennial Sorts—Four Feet

Polyphyllus—

White—Pkt. 10c.

Blue—Pkt. 10c.

Rose—Pkt. 15c.

Mixed—Tall, perennial variety in various colors. Pkt. 10c, oz. 40c.

## PLANT LICE

Lice and other insects attack most plants, therefore don't give them a start. Spray often and before they appear, using "Nicotine Spray." (See Insecticide page.) One pint makes 6 gals. of spray.

## MIMULUS

A half-hardy perennial, growing from 6 inches to 1 foot high. Blooms freely and exists in a large variety of colors. Useful for window gardens and pot work or for garden in a moist, shady situation. Blooms first year from seed if sown early.

**MOSCHATUS or MUSK PLANT**—Fragrant leaves and small yellow blossoms, spotted lightly with brown. Pkt. 10c.

## MIMOSA (Sensitive Plant)

**PUDICA**—Curious half-hardy annuals with pinkish white flowers; the leaves close or droop when touched. Sow from February to May in a box and transplant when well started. Pkt. 10c.

## MORNING GLORY (Convolvulus Major)

No climber is more popular than is the Morning Glory for covering trellises or unsightly back fences they and climbing Nasturtiums are most often planted. Morning Glories grow quickly to a vine 15 feet long, and bear very abundantly brilliant flowers, funnel-shaped, of various colors, blue predominating. Soak the seed for two hours in warm water to hasten germination. Sow in spring.

**TALL, OF CLIMBING VARIETIES**—Mixed. Pkt. 10c, oz. 20c.

**IMPERIAL JAPANESE**—These are much the handsomest flowers in Morning Glories, of gigantic size and in colors ranging from snow-white to carmine, through every shade of blue and purple to nearly black, also marbled, striped and splashed sorts. The vine is not quite so vigorous a climber as the above. Pkt. 10c, oz. 25c.

## MOON FLOWERS

**BONA NOX (Evening Glory or Good Night)**—Large fragrant violet blossoms, expanding in the night. Pkt. 10c, oz. 25c.

**GRANDIFLORA ALBA (Moon Flower)**—Large white blossoms, 5 to 6 inches across, which expand at night. The vine grows very rapidly, as much as 50 feet in a season, and is covered at night and in the early morning with a multitude of fragrant white flowers; leaves large. Fine to cover anything in one season. Pkt. 10c, oz. 75c.

**GIANT PINK (New)**—These new Moonflowers are a clear pink. The blossoms are of unusual size, and the foliage is a glossy deep green. Pkt. 15c, oz. \$1.00.

**HEAVENLY BLUE**—Very large clustered flowers of beautiful sky blue; open early in the morning; distinct and handsome. Pkt. 10c,  $\frac{1}{4}$  oz. 25c.

**SETOSA (Brazilian Morning Glory)**—This vine makes an immense, thick growth of great lobed leaves, lighted by a profusion of large rosy flowers, with a satiny pink star in the center. The red pubescent stems and seed-pods add to its attractiveness; 10 to 20 feet. Pkt. 10c,  $\frac{1}{4}$  oz. 20c.



MOONFLOWER



NASTURTIUMS

**DWARF VARIETIES**

The plants form a small round bush 12 to 16 inches high, which is a mass of bloom all summer. Do not water too much nor sow on rich ground for abundance of bloom.

**AURORA**—A pretty terra cotta shade. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**BRONZE**—Large, reddish golden brown. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**EMPRESS OF INDIA**—Deep crimson, fine dark foliage. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**KING THEODORE**—Rich red, dark, dull foliage. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**ROSE**—Beautiful rosy pink. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**RUBY KING**—Bluish rose. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**COLLECTION OF THE ABOVE 6 SEPARATE SHADES**, 50c.

**DWARF VARIETIES MIXED**—A splendid mixture of all the above, besides many other varieties. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**NEMESIA**

Nemesias come 1 foot high and are a mass of flowers, bedding annual.

**TRIUMPH, MIXED**—This has flowers in light blue, red, yellow. Pkt. 10c,  $\frac{1}{8}$  oz. 50c.

**NEMOPHILA, or LOVE GRASS**

A hardy annual California wildflower, growing about 6 inches high. Has small cup-shaped blossoms about one inch in diameter, in white and shades of blue. Mixed. Pkt. 10c, oz. 30c.

**INSIGNIS (Baby Blue Eyes)**—Its flowers are of a most beautiful light blue, shading lighter toward the center. A pretty wildflower. Pkt. 10c, oz. 30c, lb. \$3.00.

**NICOTIANA, or FLOWERING TOBACCO**

A half-hardy annual, growing 3 feet high, with slender tubular flower. Belongs to the tobacco family. Requires plenty of room in the garden.

**AFFINIS HYBRIDS**—Splendid new hybrids of the popular N. Affinis. They possess the delicate fragrance of the parent. Colors, blue, red, rose, white, etc. Pkt. 10c.

# Nasturtiums

For ease of culture, duration of bloom, brilliancy of coloring and general excellence nothing excels Nasturtiums. All they need is a moderately good soil in a well-drained, sunny position, and within a few weeks from the time they are sown until hard frost comes there is an endless profusion of their gorgeous blossoms. No annual will produce such a lavish profusion of flowers for so long a time, with the same small outlay of time and labor. The maximum of bloom is produced in light or sandy soils and seldom diminishes through the hot weather. The varieties offered below were selected from a very large number of sorts as the best and most distinct. They embrace every desirable color, such as deep brown, red, golden-orange, flaming scarlet, chrome-yellow veined with carmine, burnished bronze color, crimson-scarlet, sulphury-yellow, spotted deep chocolate, light straw, delicate shades of rose, and many other colors, tints, and markings.

**TALL OR CLIMBING VARIETIES**

Of quick growth, covering a wall, hedge, or trellis in a short time. The brilliant blossoms almost cover the plant from top to bottom.

**CRIMSON**—Beautiful deep crimson. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**DUNNETT'S ORANGE**—Clear orange. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**EDWARD OTTO**—Brownish lilac. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**TWILIGHT**—Bright yellow marbled salmon rose. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**SCARLET**—Giant Rosy Scarlet. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**VESUVIUS**—Deep apricot. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**COLLECTION OF 6 SEPARATE SHADES AS ABOVE**, 50c.

**TALL VARIETIES MIXED**—All the above varieties, besides many others, in a splendid mixture. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**TALL VARIEGATED LEAVED MIXED**—Every leaf is variegated with yellow, white and green. The flowers are of all colors. Pkt. 10c, oz. 25c.

**TALL IVY-LEAVED**—A mixture of several colors; have lobed or scalloped leaves. The blossoms have scalloped edges. Very pretty and attractive. Pkt. 10c, oz. 20c.

## Nigella, or Love-in-a-Mist

A hardy annual, one foot high, with finely cut foliage. Oddly shaped blossoms in blue and white, and curious seed pods. Of easy culture.

**MIXED**—Pkt. 10c, oz. 30c.

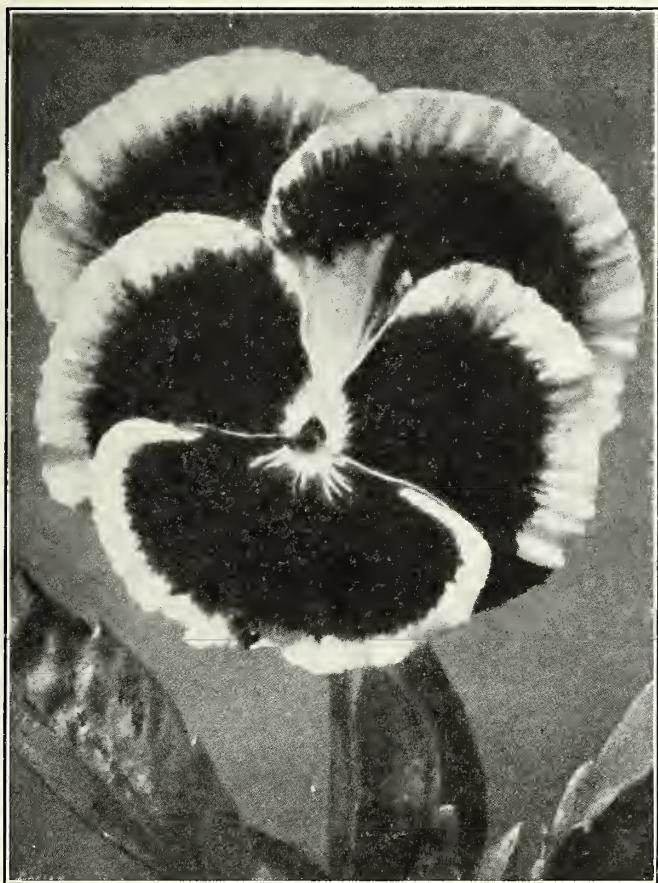
## Musa Ensete

(ABYSSINIAN BANANA)

**THE ABYSSINIAN BANANA TREE**—Strikingly effective as single specimens, as well as in clumps or masses. The rapidity of its growth is astonishing. Seed sown early in hot-beds and repotted several times, will give plants eight feet high the first summer. Pkt. of 10 seeds, 15c.



MUSA ENSETE

**MAMMOTH PANSY**

(The blooms are often 3 to 4 inches across)

## New Mammoth Exhibition Pansies

These magnificent giant pansies are without a doubt the most wonderful pansies of the day, with a robust vigor unknown in any other strain. These blossoms are almost four inches across and are of a most wonderful variety of colors and variegations. They bloom from two to four weeks earlier than any other variety of pansies.

**MAMMOTH SKY BLUE**—Pkt. 25c.

**MAMMOTH BRONZE**—Very large, with all the different shades from burnished brass to gold, with no two flowers exactly alike. Pkt. 25c.

**MAMMOTH BLACK**—Extra large fine black. Pkt. 25c.

**MAMMOTH ROSE QUEEN**—Beautiful rose shade. Pkt. 25c.

**MAMMOTH PURPLE**—Of fine form and enormous size. Pkt. 25c.

### CALIFORNIA SEED COMPANY'S TESTED

## Superb Pansies

Pansies are favorites with every flower lover, and are too well known to require any description. We specialize in highest quality Pansies, and our strains will be found absolutely satisfactory in every way.

### PANSY CULTURE

For spring plants the seed may be sown broadcast from July to September. Cover the seed very lightly with fine soil and press in with a board; then mulch the seed bed with long, loose, strawy manure, to a depth of 3 or 4 inches. The seed will be up in about 10 to 15 days; then remove the straw a little at a time. Transplant the seedlings to beds or frames in September or October and after a sharp frost, late in November or early December, provide a light or loose mulch of hay, straw or litter. The seed may also be sown indoors in January or February, or in spring in the open ground, in a shady, cool spot where the plant can be protected from the strong mid-day sun. The soil should be very rich and liberal applications of bone meal should be given from time to time.

Hot-beds will be found exceedingly useful for raising Pansies. In case the plants have not been wintered over, the seed may be sown in march, following the directions given above, except that the straw mulch may be omitted. In about five or six weeks from the time of sowing, the young plants should be transplanted in the beds so they will be two or three inches apart each way, and later they can be set out in the garden. These beds are also very convenient for wintering over the young plants that are started in the late summer, as indicated above.

Pansies usually commence to flower in from seventy to eighty days from the time of sowing, under reasonably favorable conditions. They are natives of Western Europe, where the climate does not have such extremes of temperature as ours. Consequently they do best in cool growing weather such as usually occurs in the spring or late summer and fall.

**MAMMOTH YELLOW**—A huge deep yellow; some have the dark center, some without. A beautiful bedding color. Pkt. 25c.

**MAMMOTH WHITE**—Snow white, with a large center, very large and beautiful. Pkt. 25c.

Collection of the above seven Mammoth Pansies in separate packages. \$1.50.

**GIANT MASTERPIECE**—A remarkable type, the border of each petal being conspicuously curled or waved, giving the flower a double or globular appearance. Pkt. 15c.

**GIANT TRIMARDEAU**—A large French strain of Pansies. Flowers very large, carried well up above the foliage, and generally marked with large blotches; fine mixed. Pkt. 15c.

### PANSIES IN MIXTURES

California Seed Company's **SPECIAL MAMMOTH EXHIBITION STRAIN** of the finest Pansies grown in Europe and America. Pkt. of about 500 seeds, 50c.

**LARGE FLOWERING MIXED**—These are used for bedding purposes, and are smaller than our giant sorts. Pkt. 10c, ¼ oz. 60c, oz. \$2.00.

A customer writes as follows: Your Exhibition Strain of Pansies are the finest I have ever seen. Such wonderful colors and such large blossoms. They have been in bloom all summer and are the talk of the neighborhood.

WE PAY POSTAGE ON ALL FLOWER SEEDS



CALIFORNIA RUFFLED GIANT PETUNIAS

**PHLOX DRUMMONDII GRANDIFLORA**

For beds and massing nothing can surpass these beautiful annuals. They produce immense trusses of large, brilliant flowers of numberless hues throughout the summer. This strain has beautiful round petaled flowers, larger than in the older sorts; showy and constant. Sow the seed in boxes in the fall for early flowers, or in the open in spring, and thin to 6 inches.

**CARNEA**—Pale pink with rose center. Pkt. 10c.

**COCCINEA**—Brilliant scarlet. Pkt. 10c.

**PURE WHITE**—Pkt. 10c.

**VIOLET**—Pkt. 10c.

**YELLOW (Isabellina)**—Primrose. Pkt. 10c.

Collection of above five varieties, 40c.

Fine mixture of all colors of the larger types. Pkt. 10c,  $\frac{1}{4}$  oz. 50c, oz. \$1.50.

**PHLOX DECUSSATA (Perennial)**—Mixed, all colors. Pkt. 10c.

**PORTULACA**

Of easy culture, thriving best in light loam or sandy soil, and luxuriating in a sunny situation. The flowers are of the richest shades of colors and produced throughout the summer in profusion; fine for massing in beds, edgings, or rock-work. Low growing, almost forming a beautiful carpet bed if planted thickly. Sow in early spring, either in boxes to transplant or broadcast, and thin to 6 inches.

**SINGLE MIXED**—A large variety of the most brilliant colors. Pkt. 10c,  $\frac{1}{4}$  oz. 25c.

**DOUBLE MIXED**—The most brilliant shades and choice flowers. Pkt. 10c,  $\frac{1}{4}$  oz. 60c.

**PLATYCODON (Chinese Bellflower)**

**GRANDIFLORUM**—A handsome hardy perennial which thrives in a light dry situation; with large steel-blue bell-shaped flowers on spikes 2 feet tall. Will bloom first year if sown early. Pkt. 10c.

## Giant Petunias

No flower surpasses the Petunia for massing in beds. Their richness of color, duration of bloom, and easy culture will always render them popular. They do well sown in open border in spring or earlier in the cold frame or hotbed and transplanted 18 inches apart. By the latter process they will come into bloom much earlier. Be careful not to cover the small seeds too deeply. It is well known that seeds of double varieties do not all produce double flowers, generally about 25 per cent. Save the weaker seedlings, as they usually give the finest double flowers.

**RUFFLED GIANTS OF CALIFORNIA**—The "Giants of California" bear gigantic flowers often five or more inches in diameter, of an astonishing variety of colors. They embrace every conceivable shade of crimson, pink, lavender, yellow, black, pure white, etc. One of the chief points of excellence is the deep throat and diversity of veining in the throat. Many of the flowers have a clear yellow throat, while others have a pure velvety black one, so deep that it seems to show no veining; many are deeply lined and netted on a white, pink, or lavender ground. Many flowers are beautifully ruffled and frilled. Our strain is unexcelled, being saved especially for our critical trade by a leading Petunia specialist. Pkt. 25c.

**GIANT DOUBLE FRINGED**—This strain produces 25 per cent of very large double flowers in all colors, the light shades predominating. Pkt. 50c.

**FINE MIXED**—Good mixture of small, free-blooming colors. Pkt. 10c.

**PENSTEMON**

One of our best flowers for the hardy perennial border; grows 2 feet high; flowers the first season from seed, and blossoms freely. Penstemon sends up spikes of bright colored and spotted flowers somewhat like the Foxglove, but in a great variety of shades and colors. A decidedly beautiful and satisfactory flower.

**GIANT MIXED COLORS**—Pkt. 10c.

**PYRETHRUM HYBRIDUM**

The flowers of this new strain grow to enormous size, and present all the beautiful variations of color between light pink, rose and deep carmine. They are splendid cut flowers and equally valuable in borders. The plants are perfectly hardy and increase in size from year to year.

**MIXED COLORS**—Pkt. 10c.

**PARTHENIFOLIUM AUREUM, or GOLDEN FEATHER**—Small-cut leaves of bright golden-yellow. A hardy perennial with bright foliage, much used for edging and borders. Seed can be sown in the fall or spring and transplanted. Pkt. 10c,  $\frac{1}{4}$  oz. 20c, oz. 60c.



PYRETHRUM HYBRIDUM



SHIRLEY POPPY, AMERICAN LEGION (NEW)

**PERENNIAL POPPIES**

Hardy perennial, of easy culture; in bright, glowing colors. Blooms first year from seed if sown early.

**ORIENTALE** (the Large Oriental Poppy)—A charming summer flowering hardy plant, producing numerous leafy stems about 2½ feet high, with large orange scarlet flowers, having a conspicuous black blotch on each petal; exceedingly showy. Pkt. 10c, ¼ oz. 35c.

**ORIENTALE HYBRIDS**—Beautiful hybrids of the Orientale Poppy, producing flowers of immense size 6 inches and over in diameter and of many novel colors, such as salmon, cherry, etc. Pkt. 10c, ¼ oz. 50c.

**ICELAND**—A graceful, delicate variety, 12 inches tall, with white, orange and yellow single blossoms, the petals resembling crumpled tissue paper. The plant is low and compact, but the flowers on their slender stalks are excellent for cutting. Sow the seed in the fall in boxes and transplant.

**NEW HYBRIDS**—Mixed. Pkt. 10c, ¼ oz. 60c.

**RHODANTHE (See Strawflowers)****PRIMROSE**

Greenhouse or pot plants, bearing trusses of large single or double blossoms in bright colors, as well as soft tints. Sow seed in April or May for winter blooming. Our seed is from the very finest strains.

**PRIMULA SINENSIS**, or **CHINESE PRIMROSE**—Greenhouse or pot plants bearing trusses of large single or double blossoms in bright colors, as well as soft tints. Sow seed in April or May for winter blooming, cover lightly, and keep moist. Transplant when second leaf appears, and keep shifting plants as they grow. Our seed is from the very finest strains.

**GIANT SINGLE FRINGED VARIETIES**—Excelsior mixture. Pkt. 35c.

**AURICULA**—The Primrose of the Alps. Flowers variously colored, mostly yellow; fragrant. Seed selected from prize flowers. Pkt. 25c.

**VERIS POLYANTHUS**—A hardy sort, blooming early in the open gardens. Colors mostly red and yellow. Extra choice mixed. Pkt. 15c, ½ oz. 75c.

**VULGARIS**—The true yellow English Primrose. Pkt. 10c.

**Poppy**

Sow seed in open ground where plants are to remain, and thin to six or twelve inches. If left thick, the plants will be weak and spindling and the blossoms inferior. To avoid getting the seed too thick, it can be mixed with dry sand before sowing.

**ANNUAL POPPIES**

**AMERICAN LEGION** (New Shirley Poppy)—A new giant flowering Shirley Poppy. Color is a brilliant orange scarlet, with yellow antlers. This is a poppy worth trying. Pkt. 20c, oz. \$1.50.

**SHIRLEY**—The most beautiful type of poppies, having soft, hairy foliage and an immense variety of single blossoms in white, pink, apricot, and shades of red and scarlet. The petals are very dainty and look as if made from crepe paper. Mixed. Pkt. 10c, oz. 35c.

**ELDORADO**—A beautiful strain of Double Shirley Poppies with showy, thin, crinkly petals, containing many new salmon shades. Mixed colors. Pkt. 15c.

**FLANDERS SCARLET**—A large bright scarlet poppy similar to the tulip-flowered poppy. Pkt. 10c, ¼ oz. 25c.

**TULIP-FLOWERED**—Intense scarlet, single blossoms. Plant about 2½ to 3 feet high. The brightest colored of all poppies. Pkt. 10c, ¼ oz. 25c.

**DOUBLE CARNATION FLOWERED POPPY**

Cherry Red—Pkt. 10c, oz. 30c.

Heliotrope—Pkt. 10c, oz. 30c.

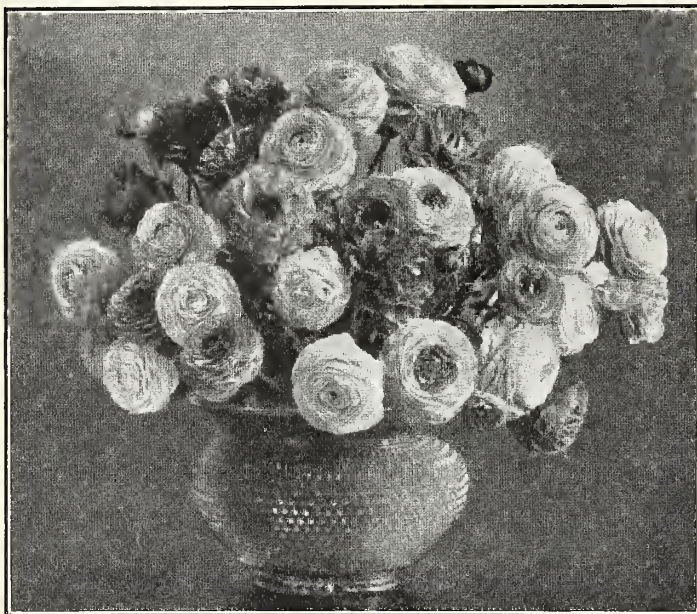
Mauve Queen—Pkt. 10c, oz. 30c.

Salmon Queen—Pkt. 10c, oz. 30c.

**DOUBLE FRINGED OR CARNATION FLOWERED**—All colors. Mixed. Pkt. 10c, oz. 25c.

**GIANT FLOWERING RANUNCULUS**

These beautiful flowers are becoming very popular and cannot be surpassed as cut flowers. They last for a long time when cut and are a sight to behold in the florist's window in spring. Our strain is a special mixture from the best growers in Europe. In all colors of red, pink, yellow, bronze, white, etc. Sow the seed outdoors from April to June, and keep shaded until plants appear. Giant Mixed, pkt. 15c.



GIANT FLOWERING RANUNCULUS

WE PAY POSTAGE ON ALL FLOWER SEEDS



SALPIGLOSSIS EMPEROR

## SALPIGLOSSIS

A half-hardy annual, growing about 3 feet high and bearing trumpet-shaped blossoms of rich shades and colors, all beautifully veined. It is valuable for bedding and massing, and its long stems make it excellent also for cut flowers. Sow seed early in the spring and transplant, or sow the seed where it is to remain, in April, and thin to 6 or 8 inches. Enrich the soil.

**GIANT EMPEROR**—A splendid large-flowered strain; each stem is loaded with these most handsome flowers, each one richly veined with gold. Mixed colors. Pkt. 10c,  $\frac{1}{4}$  oz. 50c.

## SCABIOSA (Mourning Bride)

Sow the seed any time in the fall or spring, either in boxes to transplant or in the open ground. Scabiosas grow about 3 feet high, and come into bloom early in July, and continue without interruption until hard frost. The beautiful flowers in exquisite shades are borne on long stems, and when cut keep in perfect condition for the best part of a week. They make effective borders or beds, and no garden is complete without Scabiosas, especially where flowers are wanted for cutting.

**AZURE FAIRY**—Lavender-blue. Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**CRIMSON**—Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**FLESH PINK**—Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**KING OF THE BLACKS**—Black purple. Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

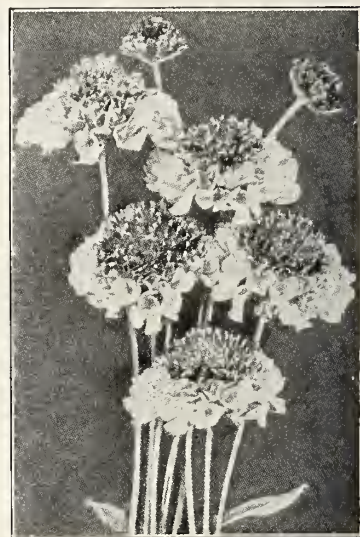
**RED**—Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**ROSE**—Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**WHITE**—Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

Collection of 7 sorts for 60c.

Mixed, all colors of the Improved Large Flowering. Types. Pkt. 10c,  $\frac{1}{4}$  oz. 20c, oz. 60c.



SCABIOSA

## HARDY PERENNIAL SORTS

**CAUCASICA (Blue Bonnet)**—One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water; lilac-blue, 3 feet. Seed should be started in a hot-bed from October until February, as the seed loses its vitality when a few months old. Pkt. 10c.

## SALVIA OR FLOWERING SAGE

The Scarlet Sage has long been a favorite bedding plant, bearing long spikes of flowers in great profusion from July till frost; half-hardy perennials, blooming the first year from seed, which should be sown as early as possible either indoors or in a hotbed, and the young plants transferred to their flowering quarters when the weather has become settled and warm.

**SPLENDENS (Scarlet Sage)**—Beautiful bright scarlet; 3 feet. Pkt. 10c,  $\frac{1}{4}$  oz. 60c.

**BONFIRE**—A new dwarf Scarlet Sage, of dense compact growth. From 20 to 24 inches high. Pkt. 10c,  $\frac{1}{8}$  oz. 60c.

**PATENS**—Bright blue flowers, 2 feet tall. Pkt. 25c.

## SMILAX

A climbing perennial, with beautiful bright-green, glossy leaves, much esteemed for its long, delicate sprays of foliage. Largely used for decorating. Start seed under glass and transplant 6 inches apart. It requires strings or wires to climb on when very young. Pkt. 10c,  $\frac{1}{4}$  oz. 25c, oz. 75c.

## SCHIZANTHUS—POOR MAN'S ORCHID

An easily grown plant, bearing quantities of beautiful orchid-like flowers in a bewildering range of color. The plants are such profuse bloomers that each plant looks like an immense panicle of lovely blossoms. May be sown in April in the open ground, where they are to remain. A sowing made in autumn, putting 3 to 5 plants in a 6-inch pot, will give an abundance of bloom through the winter.

**GRANDIFLORUS**—New hybrids mixed. Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**WISETONENSIS**—This variety is now largely used as a pot plant for the house or conservatory. It is remarkably free flowering, and presents a beautiful appearance with its myriads of blooms in a large range of color. Pkt. 25c.

## SUNFLOWER (Helianthus)

Tender annuals, growing from 3 to 8 feet high. Of the easiest culture and suitable for a stately row or background, or even for bedding. Plant when the ground is well warmed in light or sandy soil.

**CHRYSANTHEMUM FLOWERED**—Large, densely double, bright golden flowers. The plant branches and affords fine, long, stout stems for cutting. This is the best variety in existence; 6 to 8 feet. Pkt. 10c, oz. 35c.

**RUSSIAN**—The common, large flowering single variety, with great brown centers and an edge of yellow petals. The seed is used for chicken feed. Pkt. 10c.

**STELLA**—Of dwarf branching habit; grows about 3 feet high and blooms profusely throughout the summer; flowers single orange-yellow, with black center. Pkt. 10c, oz. 60c.

**RED SUNFLOWER**—Some flowers are a rich chestnut-red color, others tipped with yellow and others slightly washed with red. The flowers vary in size, some being very large. Plants grow from 4 to 8 feet tall. Pkt. 10c,  $\frac{1}{4}$  oz. 25c.

## SWEET WILLIAM

Hardy perennial plants, of extreme richness and variety of color, and also deliciously sweet-scented. For clumps or borders no plants can surpass this old favorite, which is greatly improved now, both in size and color; the colors pass from white to pink, crimson, carmine, and purple, with distinct eye encircled with color differing from the rest of the flower.

**NIGRICANS**—Single deep maroon. Pkt. 10c.

**BRILLIANT RED**—Best of its color, single. Pkt. 10c.

**PINK BEAUTY**—A beautiful clear pink shade, single. Pkt. 10c.

**SINGLE MIXED**—Pkt. 10c,  $\frac{1}{4}$  oz. 20c.

**GIANT DOUBLE MIXED**—Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

## Straw Flowers

Straw Flower or Everlastings are now coming into favor. They are not only ornamental in the garden when growing, but are greatly admired and prized for the winter decoration of vases and for making durable bouquets.

Flowers which are wanted for drying should be cut when partially unfolded and suspended with their heads down in a cool place until thoroughly crisp dry.

### ACROCLINIUM

A pretty annual "Everlasting," growing about 15 inches high, bearing white or rosy-pink flowers, which, when cut in the bud state, can be dried and used in winter bouquets. A nice thing to grow in a mixed border, aside from its use as an everlasting.

**DOUBLE PINK**—Pkt. 10c, oz. 60c.

### GOMPHRENA

A hardy annual everlasting or straw flower, growing about 8 inches high, with flowers which resemble large clover heads, and can be dried and used in winter bouquets. Mixed colors. Pkt. 10c,  $\frac{1}{4}$  oz. 20c.

**ORANGE**—Known as "Strawberry Flower," Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

### HELICHRYSUM

#### GIANT HELICHRYSUM (Straw Flower)

A most popular hardy annual; the flowers are large and the color bright; highly prized for winter bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with heads downward in cool and airy place. 1 to 2 feet. Succeeds in any good garden soil. Give them plenty of room to develop, planting not closer than 12 inches apart.

	Pkt.	Oz.
MONSTROSUM CRIMSON .....	.10	\$.35
MONSTROSUM GOLDEN GLOBE .....	.10	.35
MONSTROSUM ROSE SHADES .....	.10	.35
MONSTROSUM VIOLET .....	.10	.35
MONSTROSUM SILVER WHITE .....	.10	.35
MONSTROSUM GIANT MIXED .....	.10	.25

## Stocks (Gillyflowers)

The stock is one of the many popular plants used for bedding. For brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed. Sow the seed in pans or boxes and transplant when large enough to an open sunny location. Be careful to save the weak and

delicate plants, as these usually throw the best doubles. It is also a good idea to plant rather thickly, so that the single can be weeded out as they appear.

### GIANT FLOWERING TEN-WEEK STOCKS

(These are the best for summer blooming)

	Pkt.
Azure Blue .....	.10
Blood Red .....	.10
Dark Blue .....	.10
Giant Mixed .....	10c; $\frac{1}{8}$ oz. 50c
Flesh Pink .....	.10
Rose Pink .....	.10
Pure White .....	.10

Collection of the six varieties above, 50c.

### MAMMOTH EARLY NICE STOCKS

This variety is recognized as the most valuable of all stocks. Used extensively for winter blooming.

- ABUNDANCE**—Pale rose crimson. Pkt. 15c.
- ALMOND BLOSSOM**—White, tinted carmine. Pkt. 15c.
- BEAUTY OF NICE**—Delicate flesh pink. Pkt. 15c.
- MONTE CARLO**—Canary yellow. Pkt. 15c.
- CRIMSON KING**—Brilliant crimson. Pkt. 15c.
- SUMMER NIGHT**—Dark blue. Pkt. 15c.
- EMPRESS AUGUSTA VICTORIA**—Silvery lilac. Pkt. 15c.
- GOLDEN SHEAF (New)**—Chamois, shaded rose. Pkt. 15c.
- HEATHAM BEAUTY (New)**—Rosy mauve, shaded terra cotta. Pkt. 15c.
- COTE D'AZURE**—Light blue. Pkt. 15c.
- QUEEN ALEXANDRA**—Rosy lilac. Pkt. 15c.
- ROSE OF NICE**—Beautiful rosy mauve. Pkt. 15c.

Collection of any five of the Mammoth Nice Stocks (your selection), 50c.

Mammoth Early Nice Stocks, mixed, pkt. 10c,  $\frac{1}{8}$  oz. 50c.



ACROCLINIUM

### STATICE (Sea Lavender)

Splendid hardy annuals, either for the border or rockery, producing all summer panicles of small flowers which can be dried and used for winter bouquets. Much used by florists. Start the seed under glass, as it is difficult to germinate.

White, pkt. 10c. Blue, pkt. 10c. Yellow, pkt. 10c. Rose, pkt. 10c. Mixed, pkt. 10c.

**SUWOROWII**—A hardy annual variety, producing long spikes of bright rose-colored flowers. Pkt. 10c.

### XERANTHEMUM

**ANNUUM** (Everlasting, or Immortelle)—One of the prettiest and most satisfactory of the Everlastings, bearing an abundance of bright rose, purple and white flowers, which are not only showy in the garden but very useful as dried flowers in winter bouquets. Seed can be sown in the open ground early in May, growing readily in any open, sunny position. This well-known, hardy annual is one of the oldest and prettiest of the Everlasting flowers, and in winter bouquets retain their color and form for years. Fine for beds and borders; in bloom all the season until frost.  $1\frac{1}{2}$  to 2 ft. Mixed colors. Pkt. 10c.



MAMMOTH NICE STOCKS



GIANT TEN-WEEK STOCKS

WE PAY POSTAGE ON ALL FLOWER SEEDS

# California Seed Company's Giant Spencer Sweet Peas

The following varieties are the cream of the Sweet Peas. So many varieties are offered by dealers that the average list bewilders a prospective buyer. Sweet Pea lists can be boiled down to about 30 varieties, and cover all colors thoroughly. This we have done, and the varieties we offer are the tested and proven sorts.

## GIANT SPENCER OR ORCHID FLOWERING SWEET PEAS

The finest and largest type of Sweet Peas. The blossoms are wavy and stems very long. Four and sometimes five blossoms appear on the stem.

**AFTERGLOW**—Bright violet blue, shading to rosy amethyst. Pkt. 10c, oz. 40c.

**APPLE BLOSSOM**—Large, rosy pink. Pkt. 10c, oz. 40c.

**ASTA OHN**—Lavender, suffused with mauve. Pkt. 10c, oz. 40c.

**AMERICA**—Red flakes on white ground. Pkt. 10c, oz. 40c.

**BARBARA**—Large bright salmon; must be grown in shade. Pkt. 10c, oz. 40c.

**BLUE MONARCH**—Deep blue. Pkt. 10c, oz. 40c.

**COUNTRESS SPENCER**—A lovely clear pink, shading deeper at edges. Pkt. 10c, oz. 40c.

**DORIS USHER**—Salmon pink. Pkt. 10c, oz. 40c.

**DOBBIE'S CREAM**—The finest primrose variety; the flowers are large and well waved, generally in fours on long stems. Pkt. 10c, oz. 40c.

**ELFRIDA PEARSON**—Giant pale pink on white ground; vigorous grower. Pkt. 10c, oz. 40c.

**FIERY CROSS**—Intense orange scarlet, sunproof, beautifully waved and fluted. Pkt. 10c, oz. 40c.

**GEORGE HERBERT**—Bright rose-carmine; very showy. Pkt. 10c, oz. 40c.

**HELEN LEWIS**—Beautiful orange pink. Pkt. 10c, oz. 40c.

**HERCULES**—Mammoth, rosy pink. Pkt. 10c, oz. 40c.

**ILLUMINATOR**—A grand orange salmon variety of large size and great substance; well waved; should be grown in partial shade. Pkt. 10c, oz. 40c.

**JEAN IRELAND**—Creamy buff edged carmine. Pkt. 10c, oz. 40c.

**KING EDWARD SPENCER**—Bright crimson-scarlet, magnificent in size and color. Pkt. 10c, oz. 40c.

**KING WHITE**—The finest white sweet pea. The large flowers are borne almost invariably in fours on stout stems; the blossoms are finely frilled and are of great substance. Pkt. 10c, oz. 40c.

**MARGARET ATLEE**—Rich pink and salmon on cream ground. Pkt. 10c, oz. 40c.

**NEW MIRIAM BEAVER**—Shell salmon pink, cream ground. Pkt. 10c, oz. 40c.

**MRS. CUTHBERTSON**—Rosy pink, wings light pink. Pkt. 10c, oz. 40c.

**MRS. ROUTZAHN**—Buff suffused with pink, deepening at the edges. Pkt. 10c, oz. 40c.

**MRS. TOM JONES (Novelty)**—The most perfect blue sweet pea to date, color being a bright delphinium blue; the flowers are very large, beautifully waved, and come four on a stem. Pkt. 15c, oz. 60c.

**NUBIAN**—Large deep chocolate. Pkt. 10c, oz. 40c.

**R. F. FELTON**—A large distinct lilac flower, wings suffused with French gray; strong grower. Pkt. 10c, oz. 40c.

**ROSABELLE**—Bright rose, great form and size. Pkt. 10c, oz. 40c.

**ROYAL PURPLE**—Fine royal purple color, flowers of large size; a distinct variety. Pkt. 10c, oz. 40c.

**SENATOR SPENCER**—Chocolate, striped and mottled on ivory white. Pkt. 10c, oz. 40c.

**STERLING STENT**—Beautiful salmon orange. Pkt. 10c, oz. 40c.

**THE PRESIDENT**—Extremely large flowers of a glowing scarlet. Pkt. 10c, oz. 40c.

**WARRIOR**—Rich chocolate maroon flushed with bronze; great form and size. Pkt. 10c, oz. 40c.

**WEDGEWOOD**—Rich azure blue. Pkt. 10c, oz. 40c.

**CALIFORNIA SEED COMPANY'S GRAND PRIZE GIANT SPENCER SWEET PEAS**, in a wonderful mixture of all the above varieties. Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. \$3.00.

**CUPID MIXED**—Very dwarf and bushy, growing 1 foot high and spreading to about 2 feet in diameter; very effective when planted in a border. Mixture of all varieties. Pkt. 10c, oz. 20c, ¼ lb. 60c.

**EARLY LONG SEASON OR WINTER FLOWERING GIANT SPENCER SWEET PEAS**

This type will commence flowering from four to six weeks earlier than the regular Spencer type and remain in bloom for a long season. Especially adapted for greenhouse men for Xmas blooms.



GIANT SPENCER  
SWEET PEAS

**EARLY COLUMBIA (New)**, salmon rose, standard, white wings. Pkt. 25c.

**EARLY AMETHYST**—Royal purple. Pkt. 15c, oz. \$1.00.

**EARLY AVIATOR (New)**—Dazzling scarlet. Pkt. 25c.

**EARLY HEATHER BELL**—Mauve lavender. Pkt. 15c, oz. \$1.00.

**EARLY MELODY**—Rose pink. Pkt. 15c, oz. \$1.00.

**EARLY MORNING STAR**—Orange-scarlet. Pkt. 15c, oz. \$1.00.

**EARLY SNOWFLAKE**—Pure white. Pkt. 15c, oz. \$1.00.

**EARLY SPRINGMAID**—Light cream pink. Pkt. 15c, oz. \$1.00.

**EARLY ROSE QUEEN (New)**—Rosy pink. Pkt. 15c, oz. \$1.00.

**EARLY YARRAWA**—Bright rose pink with light wings. Pkt. 15c, oz. 85c.

Collection of the above 10 sorts, Special, \$1.00.

**GIANT EARLY SPENCER SWEET PEAS, Mixed**—Pkt. 15c, oz. 75c.

**SPECIAL OFFER!**—Our finest collection of seven Giant Flowering California Beauties. The finest assortment of Sweet Peas we would choose: Asta Ohn, Countess Spencer, King Edward Spencer, King White, Mrs. Routzahn, Helen Lewis, and Senator. All in separate packages. The seven for 50c, postpaid.

## HOW TO GROW OUR GIANT SPENCER SWEET PEAS

In California we have two seasons for planting this popular annual. For the earliest spring blossoms fall planting from September to December is employed. For a succession of flowers, planting can be continued until late summer. We know of no other flower which responds to good care so well or which rewards the growers with quantities of beautiful cut flowers so easily as our improved wavy-petaled Spencer Sweet Peas.

Prepare your soil with a liberal dressing of our specially pulverized Sheep Manure or Bonemeal. Sweet Peas are heavy feeders, due to the continued cutting of its blooms. Cutting and keeping off the withered blossoms greatly prolongs the flowering season. The soil should be deeply dug and thoroughly mixed with the fertilizer. Make a trench about 5 to 6 inches deep, planting the seeds 3 to 4 inches apart and covering them one inch deep with good soil. Sweet Peas do best in a well-firmed soil, so after planting tread the soil tight over the seeds with your shoes or any suitable implement. Thoroughly and completely soak the entire bed, and remember to keep moist, as any dryness after seeds germinate is fatal.

When the plants are 6 inches high, pinch out an inch or so of the top to make husky, sturdy plants, and gradually fill in the trench. By these methods you insure deep-rooted, drought-resistant plants that will bear magnificent large, long stem flowers. This is also the time to provide a trellis. Five-foot common chicken wire neatly stretched is ideal. However, strings or small boughs can be used.

WE PAY POSTAGE ON ALL FLOWER SEEDS

**THUNBERGIA OR BLACK-EYED SUSAN**

A tender annual climber, growing about 4 feet long and valuable for low fences or hanging baskets. Prefers a sunny situation. Blossoms are buff, orange or white, with dark centers. Mixed. Pkt. 10c,  $\frac{1}{4}$  oz. 40c.

**TITHONIA SPECIOSA**

This native annual of Mexico is one of the most useful late fall flowers we have, growing to a height of 8 to 10 feet, of free branching habit, and is covered with bright orange flowers until cut down by extreme frost. As a cut flower this will be highly prized for decorative purposes. Seed should be sown in April or May and planted out when 8 inches high. Pkt. 10c.

**VIOLAS OR TUFTED PANSIES**

Very free blooming hardy perennial plants. Flowers are not so large as in other varieties of pansies, but are produced in much greater numbers and also bloom for a longer season. Valuable for edging beds and borders.

**CORNUTA**—Purple. Pkt. 10c,  $\frac{1}{8}$  oz. 75c.

**WHITE PERFECTION**—Large white. Pkt. 10c,  $\frac{1}{8}$  oz. 75c.

**LUTEA GRANDIFLORA**—Fine yellow. Pkt. 10c,  $\frac{1}{8}$  oz. 50c.

**ROSEA**—Rose pink. Pkt. 10c,  $\frac{1}{8}$  oz. 75c.

**MIXED COLORS**—Pkt. 10c,  $\frac{1}{8}$  oz. 65c.

**VIOLET OR VIOLA ODORATA**

Although these flowers do best propagated from the cuttings, they grow readily from seed, and produce a very fragrant blossom. Sow the seed in a hot bed.

**SINGLE**—Sweet-scented. Pkt. 10c.

**PRINCESS OF WALES**—Large single; blue. Pkt. 10c.

**VIRGINIA STOCKS**

A hardy annual, growing about 9 inches high and blooming profusely. Of easy culture, and can be had in continuous bloom by sowing the seed at frequent intervals during spring and summer.

**MIXED COLORS**—Pkt. 10c, oz. 25c.

**MAMMOTH VERBENA**

A carefully selected and improved fine strain of Verbenas. The trusses and individual flowers are of the largest size, brilliant colors, free-blooming and of vigorous habit. For best results sow seed early in pots or boxes and transplant in beds in April or May. Single plants of this pretty annual will carpet a space 3 feet in diameter with neat foliage and scores of fine flower umbels. Plants bloom from early summer to late fall.

**MAMMOTH VERBENA**

**MAMMOTH SCARLET**—Pkt. 10c,  $\frac{1}{4}$  oz. 60c.

**MAMMOTH PURPLE**—Pkt. 10c,  $\frac{1}{4}$  oz. 60c.

**MAMMOTH PINK**—Pkt. 10c,  $\frac{1}{4}$  oz. 60c.

**MAMMOTH WHITE**—Pkt. 10c,  $\frac{1}{4}$  oz. 60c.

**MAMMOTH MIXED COLORS**—Pkt. 10c,  $\frac{1}{4}$  oz. 50c.

**WALLFLOWER**

Wallflowers should be better known. Their adaptability for pot culture and outdoor bedding and their peculiarly sweet odor should win favor. They are easily grown, and last long as cut-flowers.

**SINGLE BLOOD RED**—Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**SINGLE GOLDEN KING**—Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**SINGLE BROWN**—Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**SINGLE EXTRA FINE**—Mixed, all colors. Pkt. 10c,  $\frac{1}{4}$  oz. 25c.

**TALL DOUBLE BRANCHING**—Mixed, all colors. Pkt. 15c,  $\frac{1}{8}$  oz. 60c.

**GIANT ZINNIAS**

Zinnias are one of the easiest grown and most showy garden annuals. Few flowers are so easily grown from seed sown in the open ground, or bloom so abundantly and continuously through the entire season as this hardy annual. Sow seed in open ground in spring.

Our Giant Zinnias are the largest in existence. We offer the following new varieties, as well as the standard sorts:

**SHRIMP PINK (New)**—Pkt. 25c.

**APRICOT (New)**—An apricot shade. Pkt. 25c.

**BRIGHT ROSE (New)**—A pleasing shade of rosy pink. Pkt. 25c.

**ORANGE AND GOLD (New)**—Very attractive. Pkt. 25c.

A collection of the four new varieties, 75c.

**GIANT ZINNIAS** in the following shades—Pkt. 15c, oz. \$1.50: Crimson, Flesh Pink, Rose Pink, Deep Yellow, Orange, Lavender. Collection of six varieties as above, 75c.

Giant Zinnia in a wonderful mixture, pkt. 10c, oz. \$1.25.

**MAMMOTH DAHLIA FLOWERED ZINNIAS**—A new strain of large blossoms resembling Show Dahlias, often 6 to 8 inches across. Pkt. 20c,  $\frac{1}{4}$  oz. \$1.00.

**RED RIDING HOOD**—Of compact form and covered the entire summer with little button-like intense scarlet flowers 1 inch across; 1 foot tall; fine as a border plant. Pkt. 10c,  $\frac{1}{4}$  oz. 35c.

**GIANT ZINNIAS**

The blossoms measure 4 to 5 inches in diameter)

WE PAY POSTAGE ON ALL FLOWER SEEDS

## CALIFORNIA SEED COMPANY'S

## Giant Flowering Gladiolus Bulbs

The Gladiolus is one of the most decorative plants in the garden, and as a cut flower lends itself readily to any arrangement. If the spikes are cut when the lowest flower is in bloom, the others will open in succession and remain fresh a week or ten days. No flower has gained more rapidly in public favor than the Gladiolus; this could not well be otherwise, for in addition to the great intrinsic merit of the flower it is hardy and blooms the first season from bulbs.

Gladioli will thrive in almost any good soil except a stiff clay. They require full sunlight and are liable to injury only from rank manure. Plant the bulbs six to nine inches apart, the large ones four inches and the small ones two inches deep. Make an early planting of the smallest bulbs first as soon as the ground is sufficiently dry and warm. Continue to plant at intervals of two weeks during the spring and early summer; in this way a succession of bloom may be had from midsummer until frost. A free use of water during the season of active growth, and particularly as the buds begin to show color will be beneficial in producing fine blossoms. In the autumn, before freezing, they should be dug up and the tops allowed to dry down, after which the dry tops, earth and old bulbs can be removed. Store in a cool, dry place, secure from frost until spring. Plant from December to April. Order early before the varieties are sold out. Gladiolus are postpaid.

	Each	Doz.	100
AMERICA—Giant soft lavender pink.....	\$0.07	\$0.75	\$5.00
AUTUMN QUEEN—Creamy yellow, suffused pink, with carmine stripe.....	.10	1.00	7.50
BLUE KING (Baron Hulot)—Deep indigo blue.....	.10	1.00	7.50
EMPERESS OF INDIA—Rich, velvety maroon.....	.10	1.00	7.50
FIRE KING—Intense fiery scarlet.....	.15	1.50	10.00
GLORY OF HOLLAND—Pure white, with lavender anthers.....	.10	1.00	7.50
GOLDEN KING—Bright yellow, blotched crimson in throat.....	.15	1.50	10.00
HALLEY—Beautiful salmon rose.....	.07	.75	5.00
HERADA—Unusual shade of pure mauve.....	.18	1.75	12.50
MRS. FRANCIS KING—Popular flame scarlet.....	.07	.75	5.00
MRS. FRANK PENDLETON—Beautiful salmon-pink.....	.10	1.00	7.50
NIAGARA—Large cream yellow, carmine in throat.....	.10	1.00	7.50
PANAMA—Like America, but deeper clear pink.....	.10	1.00	7.50
PRINCE OF WALES—Beautiful apricot salmon. New.....	.18	1.75	12.50
ROUGE TORCH—Clear white, with bright carmine torch in throat.....	.10	1.00	7.50
WHITE GIANT—New. Finest new giant white.....	.20	2.00	15.00

Our Special Mixed from best named sorts. An excellent value at \$1.00 per dozen; 100 for \$7.50.

Standard Mixture from the bulb fields. Specially priced at 75c per dozen; 100 for \$5.00.

One each of above-named Gladiolus in separate bags for \$1.85, postpaid.

Gladiolus Bulbs are ready for planting from December to April.

## MISCELLANEOUS BULBS

We issue a special bulb catalog in the fall. The following bulbs can only be had up till the time specified. If we are sold out of any variety, we will refund your money.

DAHLIA ROOTS—See Nursery Dept.

LILY OF THE VALLEY  
(Not Offered After February 15th)

The bride's favorite flower. Usually purchased at your florist's, yet very easily raised in a few months in any good garden soil, where partial shade and moisture can be provided. The beautiful, small, white bells, set off by its pale green foliage, are deliciously fragrant. Barely cover the crowns, being careful to spread the roots out properly when planting, and you will have "Valleys" for years in your own garden. Price 75c per dozen, 100 for \$5.50, postpaid.

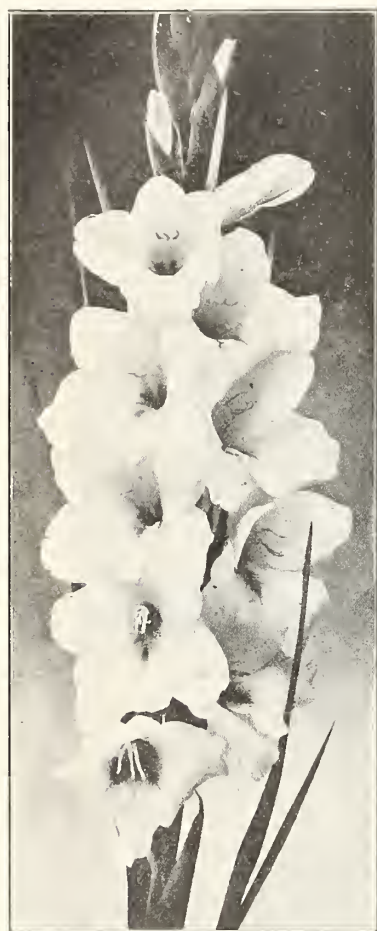
JAPANESE LILIES  
(See Fall Catalog)

TUBEROSE  
(Not Offered After March 1st)

An old-fashioned eastern favorite that must be grown in a warm, sheltered location. The flowers are pure white, wax-like, and have a very agreeable fragrance. Send your order in now for February delivery. Price 90c per doz, \$6.00 per 100, postpaid.

YELLOW CALLA LILIES  
(Not Offered After February 15th)

Calla Elliottana is the pure deep yellow calla lily with white spots on the green leaves. One bulb in a 6-inch pot will make a unique house plant. They are perfectly hardy and can be used outdoors for bedding. Large bulbs, 35c each, 12 for \$3.50. Medium-sized bulbs, 30c each, 12 for \$3.00, postpaid.



WHITE GIANT GLADIOLUS

## PRIMULINUS GLADIOLUS

A beautiful race of this popular flower that is graceful and useful for cutting, owing to their slender stalks and their petaled flowers set an inch or so apart. They come in unusual shades of orange, copper, salmon and old rose. Our mixture of hybrids are the very finest offered. Each .07c doz. .75c, 100 for \$5.00, postpaid.

BEGONIAS (Tuberous Rooted)  
(Not Offered After February 15th)

These are the giant flowering begonias with flowers often 5 to 6 inches across. Make very fine indoor pot plants and very suitable for bedding purposes in a sheltered, partially shady location. We offer the following colors: Pink, copper, red, yellow and white.

SINGLE VARIETIES—Any color or mixed. 25c each, 12 for \$2.50.

FRILLED VARIETIES—Any color or mixed. 25c each, 12 for \$2.50.

DOUBLE VARIETIES—Mixed colors only. 35c each, 12 for \$3.50, all postpaid.

CALADIUM OR ELEPHANT'S EAR  
(Not Offered After March 1st)

One of the most effective plants for beds or for setting out upon the lawn. When full size the leaf stalks are 6 feet high and the leaves themselves monstrous. Give plenty of water and rich compost.

Caladiums are tender to frost, but come up again next year. 25c each, postpaid.

## GLOXINIA

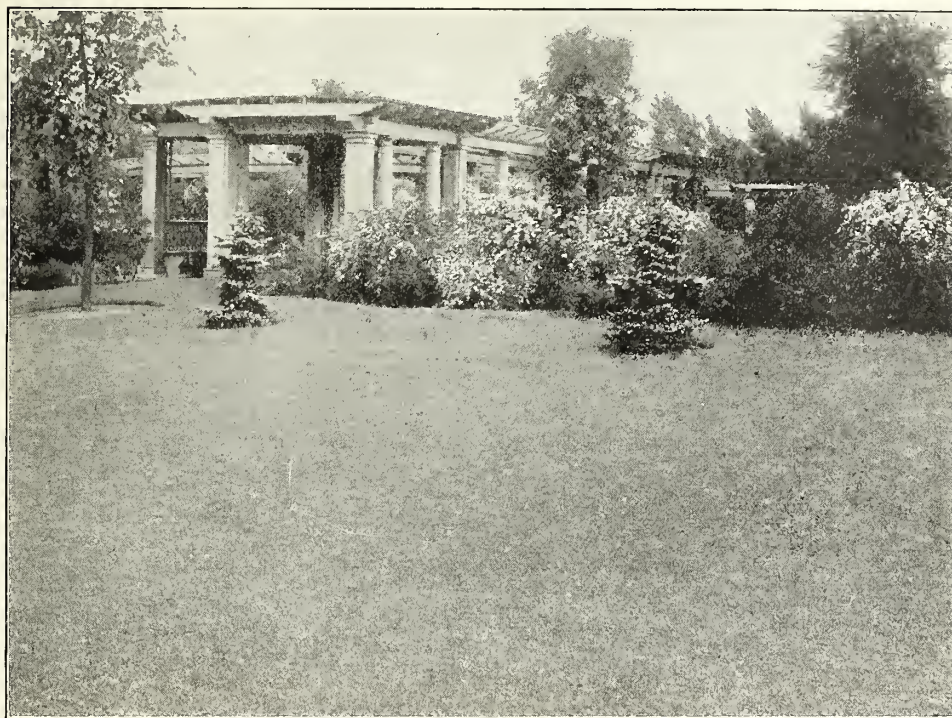
Beautiful pot plants for greenhouse culture. The magnificent tube-shaped flowers measure 3 to 4 inches across. They come in several colors and are very prettily spotted and mottled. All colors mixed. 20c each, \$3.00 per doz., postpaid.

ALL THE BULBS ABOVE ARE POSTPAID TO THE FOURTH ZONE

CALIFORNIA SEED COMPANY'S HIGHEST QUALITY

# Tested Lawn Grasses

FOR LAWNS, PLAYGROUNDS, GOLF LINKS, ETC.



**HOW TO MAKE A NEW LAWN.**—Always recall that all soil grows and contains many weeds before it is touched by you. Hoe the surface clear of weeds and roots. Spade your soil carefully, commencing at one end with a trench the depth of your spade. As you progress, take the surface crust off the ground being spaded and bury at the base of the trench. In this manner you kill many (nearly all) of the obnoxious weeds. Break up the surface clods, raking, leveling and grading the lawn carefully. The next step is seed. You must use plenty for the best results. We recommend one pound of seed to 10 x 15 or 150 square feet. Scatter the seed as evenly as your eye directs, saving a little out to finish the misses and edges. Rake the seed in lightly, or if a clover lawn, do not rake, but chop it with the rake. After this is done, use the back of your spade or a long heavy board to firm the surface well. Then keep the surface well moistened morning and evening, if necessary, until all the seed is up, which may be three or four weeks.

**HOW TO IMPROVE AN OLD LAWN.**—With a sharp tooth rake break into surface and pull through the old sod severely. One pound of seed mixed with a pailful of soil and scattered evenly over 10 x 25, or 250 square feet. Take a broom and sweep the seed into the crevices made by the rake in the old sod, firming well with back of spade. In a few weeks your lawn will be greatly improved.

There is no more important feature of a garden than the lawn. Good, well-kept lawns are admired by all and reflect to an extent an owner's pride in his community.

## Our Special Golden State Lawn Mixture

Composed of the very finest lawn grasses we can obtain, properly balanced by us to make the most durable, smooth, velvety deep green lawn possible. A sprinkle of white Dutch clover is in this superb mixture to keep the grasses fed with nitrogen and to have the lawn looking bright and green in the summer and dry periods. This is the lawn for everyone everywhere. Price 75c per lb., 10 lbs. for \$6.50.

### AUSTRALIAN RYE GRASS (Reselected Fancy)

A selected, short-seeded, extra heavy, dwarf growing strain. Will produce a green turf in about three weeks. Sow one pound to a space of 10 x 15 feet; 100 pounds to the acre. Lb. 25c, 10 lbs. \$2.25.

### "GOLDEN GATE PARK" LAWN MIXTURE

Contains the more hardy grasses which are used to make the seed for the park playgrounds, where the grass has to endure much tramping over. The mixture also contains a very little white clover. Per lb. 40c, 10 lbs. \$3.75.

### WHITE CLOVER (Pacific Quality)

The finest and purest strain for lawns. It makes an excellent turf that stands constant tramping. It is of dwarf habit, the stems creeping and rooting at the joints. It spreads rapidly and is very hardy. Sow one pound in a space 10 x 35 feet. Lb. \$1.00, 10 lbs. \$9.00.

### RED TOP GRASS

Gives a quick effect and succeeds on all soils, though doing best on moist soils. Should be in all lawn mixtures. Per lb. 45c, 10 lbs. \$4.00.

### CHEWING'S FESCUE

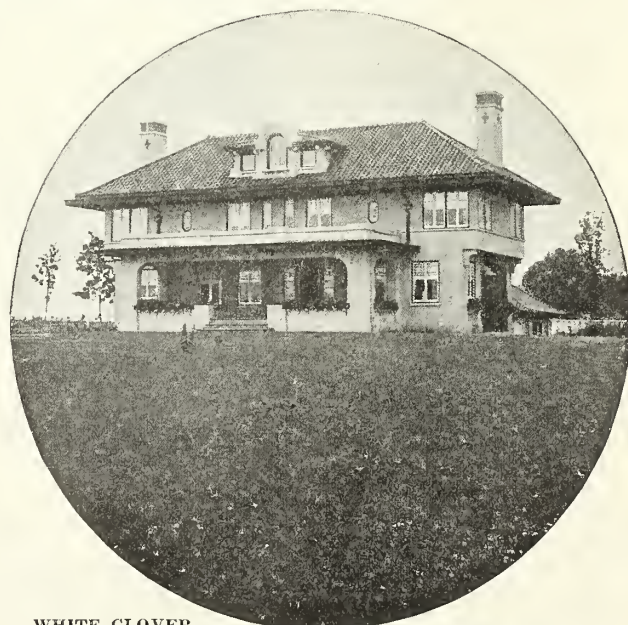
Forms a close, lasting turf, succeeding well even under poor conditions. It is used extensively in lawn and putting green mixtures. Per lb. \$1.00, 10 lbs. \$9.00.

### KENTUCKY BLUE GRASS (Velvet Green Brand)

An especially extra fine quality of Blue Grass seed that has been thoroughly milled so as to remove all chaff and light seeds. This in our estimation is the finest quality of Blue Grass produced. Lb. 75c, 10 lb. \$7.00.

### PACIFIC RYE GRASS

Much finer leaved than the common Australian Rye, and therefore more suitable for a bright green straight grass lawn. Any soil gives good results, even our San Francisco sand, when fertilized with "Groz-It." Price 30c per lb., 10 lb. for \$2.50.



### WHITE CLOVER

### SPECIAL SHADY LAWN MIXTURE

Adapted for partial and shady lawns, especially under trees and locations where you cannot grow other grasses. Price \$1.00 per lb., 10 lbs. for \$9.00.

**Lawn Fertilizers Are Listed on Page 57**

**LAWN SEEDS ARE MAILED FREE TO FOURTH ZONE**

# Alfalfa and Clovers

## Tested Seeds That Increase Farm Profits

All Our Farm Seeds are Sold Under the Provisions of the California Seed Law. You Can Depend Upon Receiving the Best Quality Seeds from Us.

**IMPORTANT.**—We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. When it is considered how many are the contingencies on which the success of any crop depends, such as sowing too deep or too shallow, too wet or too dry, unfavorable weather, insects, etc., our customers will readily see that it would be sheer folly for anyone to warrant seed to produce a perfect crop, and therefore, "while we exercise great care to have all seeds pure and reliable and true to name, we do not give any warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and we will not in any way be responsible for the crop, and will not assume any responsibility further than the amount of the order."



RED CLOVER



**GRIMM'S ALFALFA**—Grimm's is the hardest strain of Alfalfa known in this country. It stools very heavily, and the value of this characteristic can hardly be overestimated, as it not only affords immunity from winter losses, but the protected underground buds are less liable to injuries from over-pasturing or attack from grasshoppers. The spreading crown seems to be associated with a very much branched surface root system, in addition to the deep tap root. This makes surface moisture easily available. Lb. 75c, 10 lbs. \$7.00. Write for prices on larger quantities.



## Alfalfa or Lucerne

**CHILIAN OR COMMON**—This increases in demand each year, as it is found to be very valuable for forage. It requires deep, rich, well turned soil, as it roots very deeply, the tap root often to a depth of 10 to 15 feet in loose soil; consequently it is able to resist great droughts. The seed should be sown at about the same time as oats, in thoroughly prepared, deep ploughed soil, twenty to twenty-five pounds per acre. It is a perennial, and if the soil is suitable several crops may be cut every year. Lb. 35c, 10 lbs. \$3.00. Write for prices in quantities.

**HAIRY PERUVIAN ALFALFA (Red Seal Brand)**—Grown, sealed and guaranteed to be true type Hairy Peruvian by the Hairy Peruvian Alfalfa Growers' Association at Yuma, Arizona. A favorite manner with unscrupulous dealers has lowered the cost of this wonderful new leafy and succulent alfalfa by mixing cheaper grades of common alfalfa and offering it as Hairy Peruvian. This became so prevalent that legitimate dealers welcomed an opportunity to protect their customers by offering sealed and true-to-type seed. Lb. 35c, 10 lbs. \$3.00. Write for prices on larger quantities.

**We Specialize in Alfalfa, Clovers and Field Seeds**

### FACTS ABOUT ALFALFA

"There is no state in the Union in which Alfalfa cannot be successfully grown."

Alfalfa is more valuable than clover in many sections of the country, since wherever it flourishes it yields more per acre and is worth far more as a feed.

Alfalfa produces from 3 to 7 tons of hay to the acre.

It has as much protein as wheat bran.

360 stalks have been grown from one seed.

It does not exhaust the soil; it enriches the soil.

It will grow three to five crops a year.

Alfalfa in money value is worth 45 per cent more than other Clovers and 60 per cent more than Timothy.

Ten milch cows can be fed on less than two acres by soiling.

One acre will pasture 20 pigs for six months.

Three pounds a day makes a full feed for fattening lambs.

Four to five pounds makes full feed for fattening aged sheep.

Thirty-five pounds makes full feed for fattening steers.

Sheep fed on Alfalfa will gain from 8 to 15 pounds in 75 days and will double with small grain ration added.

Lambs wintered on Alfalfa will produce one to two pounds more of wool than when on the ranch.

Fed to dairy cows, Alfalfa maintains the flow of milk equal to June Grass. It can be chopped fine with corn meal. Such a mixture is worth more a pound than the original corn meal.

Many interesting facts in addition to the above might be cited about Alfalfa. It would hardly be possible to say too much about Alfalfa; it is a working plant which is changing the destiny of many farming sections.

"Its long, branching roots penetrate far down, push and crowd the earth this way and that, and thus constitute a gigantic subsoiler. These become an immense magazine of fertility. As soon as cut, they begin to decay and liberate the vast reservoir of fertilizing matter below the plow, to be drawn upon by other crops for years to come."

### INOCULATE YOUR ALFALFA SEED

Alfalfa belongs to the family of plants which has the power to take nitrogen from the air and store it in the soil.

It does this by means of bacteria which are found on nodules on the roots. These bacteria must be present to enable the plant to take the nitrogen from the air.

These bacteria may be in your soil, but to make sure of their presence it is advisable to apply Inoculator when sowing the seed.

This Inoculator is inexpensive, it is easy to apply and will insure the biggest crop and the greatest increase in soil fertility.

You will find full information about Bacteria on page 57.

**OWING TO MARKET CHANGES, WRITE FOR PRICES AND SAMPLES ON LARGE QUANTITIES**

## Tested Clover Seeds

We specialize in Alfalfa, Clovers, Grasses and Farm Seeds and furnish germination and purity tests on all shipments. When in the market for any of the above, write for special prices and samples. All prices subject to market changes.



A FIELD OF WHITE BLOSSOM SWEET CLOVER

### WHITE BLOSSOM SWEET CLOVER (*Melilotus Alba-Biennial*)

The White Blossom variety is the one most generally used and is the type most valuable as a soil renovator and general purpose crop.

It is a very rank grower, which makes it especially valuable for plowing under as a green manure crop, and it is also a very heavy nitrogen builder.

When used as a pasture crop, the stock should be turned in on it while young and tender, and at this stage is very palatable to all live stock and a longing taste is acquired for it.

No other crop will add as much fertility to the soil as a feed crop; ranks on par to that of Alfalfa. As a hay crop it will yield more per acre than any other type, and is conceded to be the most desirable under average conditions. Lb. 30c, 10 lbs. \$2.50. Write for quantity price.

### HUBAM CLOVER (New Annual White Sweet Clover)

This is the wonderful new clover that has caused such a sensation throughout the country. It does in one year all that other clovers do in two years. It reaches three to seven feet in height in from four to seven months after planting. It has grown successfully in every state and in most foreign countries. It is the greatest fertilizing plant known, a wonderful hay and pasture crop, and unsurpassed as a honey producer.

At Iowa Experiment Station, after the harvesting of the small grain crop, it produced six times the growth of medium red clover and Mammoth clover, when seeded with the small grain. The drought resistant qualities of this clover are remarkable. Without irrigation and with less than one inch rainfall after seeding, it has made a growth of seven feet. 50,000 sample packages of Hubam seed have been sent out for trial, and it has succeeded in every state and many foreign countries. Its value to agriculture cannot be estimated. Plant 5 to 12 lbs. per acre. Lb. 50c, 10 lbs. \$4.50. Write for prices in quantity.

### MAMMOTH RED CLOVER

(English Sapling or Pea Vine Clover)

Well known in many parts of the country and highly valued for its enormous yield. It is claimed by many of our best farmers that it is easier to get a "catch" with Mammoth Red on light sandy lands than with any other. For hog pasture it has no equal. It produces very large crops of hay, yielding from 3 to 5 tons per acre. As a fertilizer to plow under green it has no equal, and for this purpose sow 5 to 6 pounds per acre with all small grain. Sow 10 to 15 pounds per acre. Lb. 40c, 10 lbs. \$3.50. Write for quantity price.

### ALSIKE OR SWEDISH CLOVER The Best Clover for Low, Moist Soils or Soils Deficient in Lime

Alsiike Clover has a place on a great many farms where it is more profitable to grow than either Red Clover or Alfalfa. Under certain conditions it has many advantages over other Clovers—for instance, where the soil is slightly acid or sour and lime is hard to get or for some reason has not been applied—sow Alsiike Clover; it will stand poorly drained wet soils very well.

Alsiike makes an excellent feed for dairy cows, and is bright colored and sweet when properly cured. The plant being smooth, it is less dusty than Red Clover hay.

It adapts itself to a great variety of soils and conditions, being capable of resisting the extremes of drought and wet.

Alsiike Clover makes the best bee pasture. Alsiike Clover is much smaller seeded than Red Clover and 1 lb. of Alsiike will go twice as far as 1 lb. of Red Clover.

It is a perennial and hardier than other clovers and does not heave and winter-kill so readily.

Alsiike is sown with grass seed to good advantage, which serves to hold the clover up and make cutting easier. Alsiike and Timothy is a good mixture for the production of hay. When seeded alone, use 6 to 8 lbs. per acre. 1 lb. 35c, 10 lbs. \$3.00. Write for quantity prices.

### BURR CLOVER

The native Clover and one of the best nitrogen-gathering crops and very satisfactory for orchards. There is an increasing demand for Burr Clover, and the seed is very scarce and hard to obtain. It is the very best cover crop for poor or dry land, as it needs but little moisture. If your grazing land lacks native grasses, plant Burr Clover; it reseeds itself, starting to grow with the first rain, and continues growing far into the dry season. Per lb. 40c, 10 lbs. \$3.50.

### CRIMSON CLOVER (*Trifolium Incarnatum*)

It makes a very valuable crop for pasture or green manure. For hay it should be cut when in full bloom. Flowers are bright scarlet. Largely grown in all Southern States. Sow 20 lbs. per acre. Lb. 40c, 10 lbs. \$3.50. Write for quantity price.

### MEDIUM RED CLOVER

(Also Called Small Red June Clover)

This is considered the most valuable of all the Clovers, and is known to every farmer. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed, cut for hay or plowed under to add fertility to the soil. It may be sown either in the spring or fall, and if no other grasses are used, at the rate of 8 to 12 pounds per acre. We are in position to supply the finest quality seed. Lb. 40c, 10 lbs. \$3.50. Write for quantity price.

### MELILOTUS INDICA

Was introduced in 1909, has now become recognized as the legume best adapted for green manuring in the orchards of California, because it may be planted late in the fall after all crops have been harvested; will grow all winter with only the season's rainfall. An annual quick-growing cover crop. Not good for forage or hay. Starts early to grow and is of good size when ready to plow under. Sow 20 to 25 lbs. per acre. Lb. 15c, 10 lbs. \$1.25. Write for prices in quantity.

### WHITE DUTCH CLOVER

This is of particular value in mixtures in permanent pastures and lawns, and will grow on almost any kind of soil, even on wet and moist ground. Being very hardy and of creeping habit, it will also prevent the ground from being washed away by heavy rains. White Clover is used mainly for sowing in mixtures with other grass seeds, especially with Blue Grass, to obtain permanent pastures. Five to six pounds per acre. Lb. \$1.00, 10 lbs. \$9.00. Write for quantity price.

OWING TO MARKET CHANGES, WRITE FOR PRICES AND SAMPLES ON LARGE QUANTITIES

## Grasses for Pastures and Hay

### Tested Grass Seeds

We desire to call particular attention to the fact that Grass Seeds are sold in the trade by sample, and each sort is divided into three or four grades of quality, according to purity, germination and weight. The price of the best grade is often double that of the ordinary. The Grass Seeds here offered by us are in every case the Very Highest Grade. Not less than one pound of any sort sold. Write for prices in quantity. All prices subject to market changes.



#### ALFILARIA (*Erodium cicutarium*)

Alfilaria or "filaree" has been and still is a life saver for the California ranges. It grows wild without any attention in all classes and conditions of soil except swamps and excessive alkali. Soon after the first heavy fall rains have saturated the ground the "filaree" begins to make its appearance. It is good pasturage at all stages of its growth, even when mature and dried up. In nutritive qualities it compares favorably with alfalfa and live stock of all kinds fatten on it readily. It is hardy, even when the winter temperature reaches zero or below. Little or no preparation of the soil required. Sow 6 pounds of seed per acre. Per lb. 75c. Write for quantity price.

#### AWNLESS BROME

An erect perennial, 3 to 5 feet high. We recommend it for dry, arid soils. Sow 40 pounds per acre. Lb. 50c. Write for quantity price.

#### BERMUDA GRASS

Valuable both for pasture and lawns. When established, it is difficult to eradicate, and is therefore unsuitable for temporary pasture. Sow 10 pounds to the acre. Lb. 50c. Write for quantity price.

#### CHEWINGS FESCUE

One of the best grasses to sow in a meadow. Mixed with Red Top and White Clover it is a valuable pasture grass. It is also suitable for lawns and putting greens. Per lb. \$1.00, 10 lbs. \$9.00. Write for quantity price.

#### ITALIAN RYE GRASS

Annual; a remarkable grower, and has in addition the advantage of standing extremes of temperature, remaining green throughout the winter. It is a most valuable grass. Sow 50 pounds to the acre. Lb. 25c. Write for quantity price.

#### MESQUITE (*Holcus Lanatus*)

Hulled seed. Valuable on the cleared redwood and pine lands of California and Oregon, giving large crops of hay and good pasture. Sow 35 lbs. per acre. Lb. 35c. Write us for prices on larger quantities.

#### MEADOW FESCUE, or ENGLISH BLUE GRASS

Especially adapted for permanent pasture and is also fine for hay. Grows two to three feet high, but not in tufts like Orchard Grass. The hay is very nutritious and cattle thrive on it whether dry or green. Succeeds even in poor soil, and as the roots penetrate deep, from 12 to 15 inches, it takes extremely dry weather to affect it. As a fertilizer, it has valuable properties. It will stand freezing very effectively, and its use is becoming more widespread each year. About 24 pounds of seed is sown to the acre. Lb. 50c. Write for quantity price.

#### ORCHARD GRASS

A valuable grass for pasture or hay land, and on account of its earliness is very well adapted for a permanent pasture. It furnishes the first green grass in the spring and until late in the fall. When closely cropped it grows up quickly and is ready for grazing again in ten or twelve days. When grown for hay, more than one crop can be obtained in one season, and when only one crop is cut the aftergrowth is very heavy and gives splendid and rich pasture till late in the fall. It will stand drought and is hardy. It grows in tufts, and is therefore best sown with red clovers, rye grass, etc. It is well suited for shady places, such as orchards and groves. Grows on all kinds of land, but does best on deep, rich, sandy loam or clay soils. Sow 22 pounds to the acre when alone, or proportionately with other grasses. Lb. 35c, 10 lbs. \$3.00.

#### PERENNIAL RYE GRASS (*Lolium perenne*)

Also called Australian Rye. Probably the oldest cultivated grass in existence, having been in cultivation previous to 1677, and is yet grown for pasture probably as extensively as any other grass. It quickly covers the ground with a dense mat of foliage ten inches deep, with seed stems 20 inches high. It is perennial, but endures seldom beyond the third year. It is an ideal crop for rotation.

Sow in the fall with barley, oats, wheat or alfalfa, to be pastured. It is excellent for fattening cattle.

Sow 40 pounds per acre. Per lb. 25c, 10 lbs. \$2.25. Write for quantity price.

OWING TO MARKET CHANGES, WRITE FOR PRICES AND SAMPLES ON LARGE QUANTITIES



SUDAN GRASS

**RHODES GRASS**

A new hay and pasture grass of great value because of its drought-resisting qualities. It also thrives in poor soils where other grasses and alfalfa fail. Plant about 14 lbs. per acre. The best time to plant is from March until September. Price \$1.00 per lb. Write for quantity price.

**Grasses—Continued****RED TOP (Solid Seed)**

A valuable grass for moist, rich soils, where it thrives very luxuriantly. It is a good variety to sow with Timothy and Clover for meadow or pasture, and is more permanent than either of the other two. It has been grown successfully even on alkali land where other grasses failed. Red Top is commonly known as Herd's Grass, and should be more extensively grown, especially with other grasses. Solid Seed Red Top is free from chaff and weighs 42 lbs. to the bushel. Ten pounds required to the acre. Lb. 45c, 10 lbs. \$4.00. Write for quantity price.

**TIMOTHY**

As a crop for hay, Timothy is probably unsurpassed by any other grass. It is greatly relished by all kinds of stock, especially horses. It yields more nutritive matter than any other grass or forage plant. Ten pounds required to the acre when sowed alone. Lb. 20c, 10 lbs. \$1.50. Write for quantity price.

**SUDAN GRASS**

No more important addition has been made to the hay crop of this State than Sudan Grass. It yields from two to eight tons of hay per acre, depending upon whether irrigated or not. Two cuttings are assured and in places four have been taken. The hay is of superior quality and relished by all stock. Cut with a mower just after full bloom. Plant late in spring after frost is past. If drilled in 36-inch rows, you will require 2 to 4 lbs. of seed; if seeded 18 to 20 inches, 4 to 6 lbs.; if broadcast, 15 lbs. If second grade is wanted, write us. We can meet prices. Ours is the best strain of this wonderful grass. Lb. 15c, 10 lbs. \$1.25. Write for quantity price.



RED TOP

**TALL MEADOW OAT GRASS (Avena Elatior)**

Of rapid luxuriant growth, recommended for soiling and in permanent hay mixtures, also for winter grazing. This variety is not a lawn grass. Sow 50 lbs. per acre. It is highly recommended for dry hillsides and in mixtures for dry locations. 50c per lb., 10 lbs. \$4.50. Write for prices in larger quantities.

**DRY PASTURE MIXTURE**

This is a special mixture of Grasses that we recommend for hillside pastures. Sow 30 lbs. per acre. 40c per lb, 10 lbs. \$3.50.

**WET OR LOWLAND MIXTURE**

This produces abundant pasture or hay in damp or lowland locations. Sow 30 lbs. per acre. 40c per lb, 10 lbs. \$3.50. Larger quantities price on application.

**Field and Farm Seed Department****BUCKWHEAT (Common)**

The best and most profitable variety. It is earlier than Silver Hulled and usually more productive. It is also excellent for bee pasture. Sow 25 lbs. per acre. Lb. 15c. Larger quantities on application.

**FIELD CORN**

See Vegetable Department, Page 13.

**COW PEAS, WHIPPOORWILL or SPECKLED**

Largely sown to make a rich, succulent growth to plow under to enrich the soil. This makes a good, long vine. Mixed with Soy Beans they make an excellent crop. Will grow in an acid soil. Sow 60 lbs. per acre. Lb. 20c. Write for prices in quantity.

**EMMER**

A valuable grain from Russia. It is adapted to a wide range of soils and climate, and is of superior feeding value, yielding much more heavily than oats and barley. This grain grows tall, like rye, and matures as early as barley, and yields from 40 to 80 bushels to the acre, and from four to six tons of straw hay. Tough and hardy, it stands the drought better than any other grain, making it a sure crop. Prepare your land as you would for wheat or oats, and sow at the rate of 75 to 100 lbs. per acre. Sow very early in the spring or fall, and do not let it stand until it gets too ripe before cutting, as any grain that yields well shells easily. In the green state it makes an excellent pasture. Lb. 15c. Write for quantity price.

**FENUGREEK**

Annual. This seed is often sought by hostlers to give temporary fire and vigor to their horses. It is frequently given to oxen and pigs when fattening, causing them to drink and digest their food. Considered to be good for soiling when green. Lb. 30c. Write for quantity price.

**JERSEY KALE**

Thousand Headed Kale is a variety of cabbage. The plant attains a height of 3 to 4 feet. The stem is covered with leaves, which form small heads. Animals, especially sheep, eat it greedily. It grows well on most any land and is hardy. The seeds may be either drilled or broadcasted, but we think drilling is better. If drilled, plant in rows 26 to 30 inches apart, so that plants may be thinned out so as to stand 16 to 18 inches apart in the rows. In drilling, use  $\frac{3}{4}$  to 1 pound of seed to the acre. In broadcasting,  $1\frac{1}{2}$  pounds is required. Prices by mail, postpaid, large pkt. 10c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**MAMMOTH RUSSIAN SUNFLOWER**

The giant of all sunflowers. The best variety for the farmer. Growing to double the size of the common, and the yield of the seed is twice as great. It is highly recommended for poultry; the best egg-producing food known. The leaves make splendid fodder, much relished by all kinds of stock. The seed is good feed for horses, and yields a fine quality oil. Lb. 15c, 10 lbs. \$1.25. Write for quantity price.

**MILLET, LIBERTY (Panicum Germanicum; Var)**

Will grow on any good land, and yields heavily when artificially watered; yields from 40 to 60 bushels of seed per acre, which is excellent food for stock or poultry. A good, green fodder plant. Sow 30 lbs. per acre. Lb. 20c.

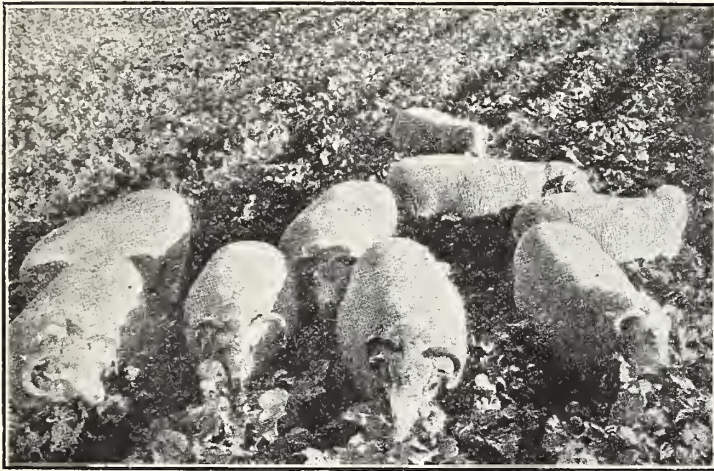
**HOG MILLET**

The seed is large for a millet and makes a rich food. Good for hogs and chickens. The seed ripens while the stem is yet green, so that if cut promptly you can get a crop of seed and also one of fodder or ensilage as well. Lb. 20c, 10 lbs. \$1.20. Write for quantity price.

OWING TO MARKET CHANGES, WRITE FOR PRICES AND SAMPLES ON LARGE QUANTITIES

## Field and Farm Seeds—Continued

## DWARF ESSEX RAPE



DWARF ESSEX RAPE IS AN EXCELLENT PASTURE FOR ALL KINDS OF STOCK

**Stockmen, Attention!**—Here is a forage plant few people know anything about. We can't praise this too highly as a forage plant for stock of all kinds. It will grow anywhere and produce an abundance of feed. Rape has been usually grown, until recent years, to furnish pasture for sheep and lambs, but it is now being found equally good in providing pasture for all kinds of stock. It is an annual, bearing a close resemblance in leaf and stalk to the Ruta Baga, but both leaves and stocks are more numerous in the Rape plant, and of a taller habit of growth. It is a pasture plant, which may be eaten off by any kind of live stock, but it is pre-eminently fitted to furnish pasture for sheep, cattle, and swine. Sow 5 pounds per acre; if sown in drills,  $1\frac{1}{2}$  to 2 pounds will suffice. Lb. 20c, 10 lbs. \$1.75, 100 lbs. \$12.00

**TEOSINTE (Reana Luxurians)**—This plant grows quickly and produces a large quantity of forage in warm locations. It makes splendid dry fodder, yielding enormously, and being more nutritious and better relished by all stock than corn fodder. The seed should not be sown until all danger of frost is past. If cut for green forage, which can be done at any stage during growth, two or more joints should be left at the base of the stalks. These will sprout out quickly into fresh growth, making an even larger crop than at first cutting. Sow in drills 4 feet apart, using 4 pounds of seed to an acre. Lb. 60c.

## Seeds Suitable for Cover or Green Manure Crops

**BROAD WINDSOR BEAN**—Sometimes called Horse Beans, grows upright on a single stem, bearing a profusion of large, well-filled pods. The roots are enormously productive of nitrogen. It will withstand 28 deg. temperature; therefore, may be planted as late as September for best results as a winter cover crop. Per lb. 20c, 10 lbs. \$1.50. Write for quantity price.

**BURR CLOVER**—(See Clover Seeds).

**COW PEAS (Black Eye)**—Specially adapted to warm countries; extensively grown in our Southern States; also valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become well warmed. Sow in drills 60 lbs. to the acre, 100 lbs. broadcast. Lb. 15c. Write for quantity prices.

**COMMON FIELD PEAS**—A strong, vigorous pea often planted for green manure to plow under in the spring. Makes an excellent winter growth when sown in fall; very useful for fodder. Sow 75 lbs. per acre broadcast. Lb. 15c. Larger quantities on application.

**MELILOTUS INDICA (Bitter Clover)**—See Clovers.

**PURPLE VETCH**—This is a new vetch that stands severe winters better than common vetch. It is highly recommended by the Department of Agriculture, and has proved very satisfactory in cold, wet soils where others fail. Sow 30 lbs. per acre. Price, 40c per lb. Write for prices on larger lots.

**SWEET CLOVER (Mellilotus Alba)**—See Clovers.

**WINTER RYE (Sow 60 Pounds per Acre)**—Although Rye is sown largely for early winter pastures, green manuring and a limited acreage for the straw, it should be grown more largely for the grain, which is now in great demand. Write for prices.

**SOYA BEAN**—Thrives well in hot and dry weather. Plant at the rate of 60 pounds to the acre, in drills  $2\frac{1}{2}$  to 3 feet apart, and cultivate same as field corn. It does not make good hay, but is good as ensilage or green fodder. Lb. 15c, 100 lbs. \$8.00. Write for quantity price.



SOYA BEANS

**VETCHES, SPRING TARES (Vicia sativa)**—Sown broadcast at rate of 60 to 100 pounds to the acre, like wheat or barley, and sometimes mixed with oats for soiling. This is a very popular forage plant and is rapidly becoming more popular each season as the farmers of this country are learning more of its great value. It is valuable as a cover crop to prevent leaching and for forage and fertilizing purposes. When sown in August or September it covers the ground before frost and can be turned under in early spring as a fertilizer. Sown in March or April, it can be cut in June. Lb. 15c. Write for prices on larger quantities.

**VELVET BEAN**—Grows taller and larger than any other soil plant, being sometimes 30 feet in length. Sow same as Cow Peas, in rows five feet apart and in hills four feet apart in the row. Lb. 25c, 10 lbs. \$1.75.

## COMMERCIAL FERTILIZERS—EXPENSIVE, UNCERTAIN

Which will you do—Buy manure or raise cover crops? Here is the comparison:

	Nitrogen Acid Potash		
A ton of vetch (dry) contains	55.6	16.2	53.6
A ton of clover (dry) contains	45.8	9.4	31.6
A ton of manure (dry) contains	9.8	5.2	9.6

Bulletin No. 190, U. S. Dept. of Agriculture, says:

"A green manure crop should be a legume wherever possible, in order to obtain the addition of nitrogen to the soil. It is also necessary that a good growth be made, in order that we have a large quantity of organic matter to turn under and incorporate with the soil. Along with good growth should be a heavy development of nodules on the roots, as this is believed to indicate great ability to fix atmospheric nitrogen."

OWING TO MARKET CHANGES, WRITE FOR PRICES AND SAMPLES ON LARGE QUANTITIES

## Tested Sorghums — For Forage and Grain

One Pound Prices Are Pospaid to 4th Zone



FETERITA

**FETERITA**—Birds do not eat this grain Sorghum to the same extent that they do others, and this is a great advantage in some localities. Feterita yields heavily in grain. Lb. 15c. Write for prices in quantity.

If you need forage for your horses, cattle or hogs, Sorghum planted about April 1st will furnish you the best feed in the shortest space of time. One-half acre will feed four head of stock all summer if only enough is cut each day for one day's need. In this way one can cut continuously all summer. As much as 40 tons may be cut from one acre.

It may yield three cuttings a season, but it should be wilted before feeding, as it is liable to bloat. The sugar it contains is very fattening. Steers and hogs can be brought to prime condition with no other feed.

### WHEN TO HARVEST SORGHUMS FOR SILAGE

Many farmers are growing sorghum for silage. The question of when to cut it is perplexing some. The experience of farmers who have grown this crop for silage purposes is that it should be fairly mature before cutting. The stalks may look rather dry, but sorghums should not be cut for silage until the seeds are hard. If cut too early, the silage is apt to be acid and much inferior to silage cut at the right time.

**BROOM CORN** succeeds in a good deep soil, fresh but not damp. Used for making brooms. Sow 12 to 15 pounds per acre. Lb. 15c. Write for quantity price.

**HONEY SORGHUM (Saccharine)**—For Forage and Silage—Anywhere that Indian Corn can grow, this crop can be successfully raised and will stand more drought and heat. Honey Sorghum is the new heavy yielding forage crop, and the sure one to fill the silo. It grows from 8 to 12 feet high and produces rather slender leafy stalks. In tonnage this new Honey Sorghum gave 27 tons per acre without irrigation. Pound 15c. Write for quantity price.

**SUGAR CANE, EARLY AMBER**—Amber Cane for a green fodder crop. We think it the best green food that can be grown for feeding cows, horses and young stock during the dry spells which we have every August and September. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. Sow 6 pounds to the acre. Lb. 15c. Write for quantity price.

**KAFFIR CORN, White**—Grows from 6 to 10 feet high and thrives in hot, dry climates. Makes good fodder for cattle, and the seed is used for stock and chicken feed. Sown in rows three feet apart, using three to five pounds per acre. Lb. 20c. Write for prices in quantity.

**SHALLU, or EGYPTIAN WHEAT**—A tall-growing sorghum which has many stalks from one root. Sow in rows for grain, using 3 to 5 pounds per acre, or broadcast, using 30 pounds for fodder. Lb. 20c. Write for prices in quantity.

**DWARF WHITE MILO**—Succeeds under a wider range of conditions than others of its class. Yields very heavily in grain and also heavily in fodder or silage. Our seed is specially grown and selected for heavy yield. Lb. 15c. Write for prices in quantity.

**EGYPTIAN or JERUSALEM CORN**—The best and surest grain crop for dry countries and seasons. Four feet high. Make one large head on main shoot and several small heads on side shoots. Sow 3 to 5 pounds per acre. Seed makes excellent chicken feed. Lb. 15c. Write for quantity price.

## Seed Grains

We carry the following seed grains, which we quote slightly higher than the market, due to the fact that we send out nothing but recleaned stock. Due to market changes, we are unable to print prices, but will gladly quote price and submit samples upon request.

### BARLEY

**COMMON**—We have endeavored to get hold of seed stock that is clean and plump.

### RYE

**WINTER**—Grown for hay by dairymen, but principally for grain; is also planted with Vetch, and in combination makes an excellent fodder.

### OATS

**BLACK**—Used principally along the Coast, where fogs prevail, where other sorts of oats would rust.

**RED (Coast Red Oats)**—Are used principally in the interior to insure a change of seed; they are easily distinguished by their dark color from those grown away from the Coast.

**RED (Inland Oats)**—Are also used extensively and produce the same quality of hay as the Coast Oats. There is probably more Red Oat hay grown than of any other variety, and it is deservedly popular.

### WHEAT

**BLUE STEM**—The most popular variety; used principally for hay on account of being beardless; also used in mixture with Black Oats.

**SONORA WHEAT**—This is the variety used in lower San Joaquin Valley and is very suitable for warm, dry climates.

**TURKEY RED**—Used for blending in the manufacture of flour, on account of its hardness and high gluten content; it has also become very popular for poultry feeding.

**"BLACK LEAF 40"**

Tobacco Extract is the strongest extract of tobacco made, being 40 per cent pure nicotine. "Black Leaf 40" is non-volatile, so that the full strength is available. It is most valuable as a spray of trees and bushes against aphids and thrips. Dilute 1 to 500, and use with 1 pound whale oil soap to 50 gallons. 1-oz. bottle will make 6 gallons of spray, 35c, ½-lb. can \$1.25, 2-lb. can \$3.50, 10-lb. can \$13.50. (Not mailable.)

**CANCO**

A concentrated spray for killing woolly aphids, mealy bug, cut worms and sow bugs. For the above mentioned insects use 20 teaspoonfuls of Canco to 1 gallon of water. Pint 75c, quart \$1.00, ½ gallon \$1.50, 1 gallon \$2.50. (Mailable.)

**DRY LIME AND SULPHUR**

Kills San Jose scale, bark lice, etc. Apply when trees are dormant before the buds show green at the tips in spring. One pound makes 6 gallons of spray. 1 lb. 35c, 5 lbs. \$1.35, 10 lbs. \$2.35. (Mailable.)

**FUNGI-BORDO**

The best and most generally used spray for blight, mildew, curled leaf, pear scab, etc. All prepared and ready for use. One pound makes 6 gallons of spray. 1 lb. 45c, 5 lbs. \$1.50 (Mailable.)

**KEROSENE EMULSION**

Ready to use; will kill scale, green lice and other pests that suck. Dilute 15 to 35 times. 1-qt. can 50c, 1-gal. can \$1.25, 5-gal. can \$4.50. (Mailable.)

**LIME, HYDRATED**

As fine as flour. Used by some people to kill slugs and worms. 5 lbs. 25c, 100 lbs. \$3.50.

**LIME AND SULPHUR LIQUID (Lion Brand)**

For general dormant spraying. One gallon makes 10 gallons spray. Qt. 45c, 1 gal. \$1.00. Write for prices in quantity. (Mailable.)

**MILDEW-GO**

A dusting powder for roses and other plants subject to mildew. 1 lb. pkge. 35c. (Mailable.)

**ANCHOR BRAND VELVET FLOWERS OF SULPHUR**

For Dry Dusting of Trees, Vines, etc., Bleaching Fruit, etc.

It has been proven, and so recommended by the University of California, that if you sulphur your grape vines and orchards six times they will not be affected by Mildew or Red Spiders.

Anchor Brand Velvet Flowers of Sulphur, packed in double sacks, are the fluffiest and purest sulphurs that money can buy; the best for vineyards, the best for bleaching purposes, leaving no ash.

Ventilated Sublimed Sulphur—Impalpable Powder, 100 per cent pure, in double sacks for Dry Dusting and making Paste or wettable Sulphurs. 1 lb. 15c, 2 lbs. 25c, 10 lbs. 85c, 100 lbs. \$5.00. Write for prices in quantity.

**SOW BUG-GO**

The best remedy for sow bugs. 8-oz. pkge. 50c. (Not mailable.)

**SLUG-GO**

An excellent slug and snail destroyer in powder form. 8-oz. pkge. 35c. (Mailable.)



# Insecticides

 (Prices subject to change)

Insecticides marked Not Mailable are poisons and cannot go by Parcel Post, but must go by Express or Freight, Charges Collect

**PARCEL POST**

We have entered the weight after each article wherever possible to enable you to compute the charges according to the zone you are in. Articles marked postpaid are mailed free to the 4th Zone. (Note.—A quart can of insecticide packed weighs 2½ lbs; a gallon weighs 9 lbs.)

**ANT DESTROYER, SCHRADER'S**

Gets the nest as well as the parents, because it is slow acting and does not kill instantly. Not a poison. Packages, 25c, 50c, and \$1.00 each (postpaid).

**ARSENATE OF LEAD—DRY POWDERED**

A dry, very finely powdered arsenate of lead, which may be dusted or sprayed. Only one-quarter as much required as of the paste form. Use 2 to 3 lbs. per 100 gallons of water. Does not burn the leaves. ½ lb. 30c, 1 lb. 50c, 4-lb. bag \$1.25. (Not mailable.)

**WHY RAISE ROSES TO FEED BUGS?  
MELROSINE**

The only remedy, endorsed by leading authorities The General Contact Insecticide that Kills Rosebugs and other insects. Used with any good spray pump, diluted with from 20 to 25 parts of water. Pleasant and harmless to use. Guaranteed effective when used according to directions on can. Trial size 60c, pint \$1.25, quart \$2.00. By mail, add 10c postage.

**NICO-FUME LIQUID**

Contains 40 per cent nicotine. Place a hot iron in 1½ pints of water, to which a scant tablespoonful of Nico-Fume has been added. This will kill greenhouse pests over 600 square feet. ¼-lb. can 75c, 1-lb. can \$2.25, 4-lb. can \$8.00. (Not mailable.)

**NICOTINE SPRAY WITH WHALE OIL**

Very effective spray for house plants, rose bushes, etc., Especially recommended for aphids and other sucking insects. 6-oz. can 35c, pt. 65c, 1 qt. \$1.25, ½ gal. \$2.00, 1 gal. \$3.00 (postpaid). Dilute 1 pint to a gallon of water.

**NIKOTEEN**

An economical tobacco extract containing 30 per cent nicotine. A very effective remedy against aphids and fly insects. 1-lb. bottle \$2.25. (Not mailable.)

**PARIS GREEN**

Poisonous. Kills caterpillars, potato bugs, sow bugs and all bugs which chew the leaves. ¼ lb. 25c, ½ lb. 40c, 1 lb. 70c, 2 lbs. \$1.25. (Not mailable.)

**PESTROY**

Our customers have found this very effective against slugs, snails, caterpillars, etc. ½-lb. pkge. 35c. (Not mailable.)

**QUA-SUL**

A wonderful carbon sulphur compound in liquid form for mildew, rust, blight, curl leaf, etc. Cleans the soil and plants of insect eggs and spores of fungus. Dilute one part Qua-Sul to one hundred parts water for soil treatment and one to two hundred parts for top spray. Trial size 25c, 1 qt. \$1.00, 1 gal. \$4.00. (Mailable.) Write for quantity price.

**SULPHO-TOBACCO SOAP**

A wonderful insect and bug exterminator. 3-oz. cake (makes 1½ gallons prepared solution), 10c, 8-oz. cake (makes 4 gallons prepared solution), 20c. By mail, add 5c postage.

**TOBACCO DUST**

The most economical form to use tobacco as an insecticide; fatal to green and black fly and similar garden pests, by simply dusting over the plants. If dug around the roots will keep away all pests below ground and insure health to the plants. 1 lb. 15c, 10 lbs. 90c (postpaid). Write for prices in quantity.

**TREE TANGLEFOOT**

A sticky paste used to paint a band around the trunks of trees to keep crawling insects away. 1 lb. 50c, 5 lbs. \$2.25, 10 lbs. \$4.25. (Mailable.)

**SPRA-MULSION (Miscible Oil)**

A general spray used to kill mealy bug, scale, woolly aphids, etc. Qt. 50c, 1 gal. \$1.25. (Mailable.)

**WHALE OIL SOAP (Genuine)**

Dissolved in water makes an excellent all-around plant spray. Should always be used as a spreader for nicotine. 1 lb. 30c, 10 lbs. \$2.00. (Mailable.)

**REMEMBER!**—All spray solutions should be applied with force to be effective. Our Utility Sprayer No. 10 is just the thing and only costs \$8.00, postpaid. One of these sprayers will outlast cheap tin ones and save you a great deal of unnecessary work. (See Sprayer Section.)

THE ABOVE INSECTICIDES SHOULD BE APPLIED WITH A UTILITY SPRAYER

# Home Fruit and Garden Spraying Chart

(One Gallon—Tablespoon Spraying Formulas)

Special Spraying Data Furnished Commercial Fruit Growers and Truck Gardens Upon Request

## FIRST SPRAY

Fruit or Vegetable	FOR	PURPOSE	TIME	SPRAY SOLUTION
<b>Apple</b> <b>Pear</b> <b>Cherry</b> <b>Peach</b> <b>Plum</b> <b>Peach</b> <b>Etc.</b>	<b>BARK SPRAY</b> Including all forms of scale and scab	To increase life, vitality and productivity of tree	When the leaves have fallen in the fall or before the leaf buds have formed in the spring	<b>For Each Gallon Use</b> 10 Tablespoons Dry Lime Sulphur
	<b>SECOND SPRAY</b> This is the Most Important Spray As to Results and Time of Application.			
	<b>WORM SPRAY</b>	To kill the fruit worms and insects of leaf and bark	When the petals of the blossom are about one-half fallen	2 Tablespoons Dry Arsenate of Lead 1 Tablespoon Dry Lime Sulphur 1 Teaspoon Black Leaf 40
<b>THIRD AND EXTRA SPRAYS</b>				
<b>See Note 2</b>	<b>LEAF SPRAY</b>	To control disease and kill worms and insects developed after second spray	Two weeks after second spray—and extra spray should worms and insects appear	2 Tablespoons Dry Arsenate of Lead 1 Tablespoon Dry Lime Sulphur 1 Teaspoon Black Leaf 40

## FIRST SPRAY

<b>Currant</b> <b>Gooseberry</b> <b>Raspberry</b> <b>Blackberry</b>	<b>BARK SPRAY</b> Including all forms of scale and scab	To increase life, vitality and productivity of plant	Early in spring while plants are dormant	10 Tablespoons Dry Lime Sulphur
	<b>SUBSEQUENT SPRAYS</b>			
	<b>WORM SPRAY</b>	To kill fruit worms, control disease, kill insects of leaf and bark	When worms first appear and thereafter at 14-day intervals until 5 applications have been made	2 Tablespoons Dry Arsenate of Lead 1 Tablespoon Dry Lime Sulphur Add 1 Teaspoon Black Leaf 40 to first application only

## REGULAR AND EXTRA SPRAYS

<b>Grape</b> <b>See Note 1</b> <b>See Note 2</b>	<b>BUG AND INSECT SPRAY</b>	To kill bugs and prevent wormy fruit	As soon as foliage appears and repeat at 15-day periods until 4 applications have been made.	2 Tablespoons Dry Arsenate of Lead 3 Tablespoons Prepared Bordeaux Mixture If Lice appear, add 1 Teaspoon Black Leaf 40
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## REGULAR AND EXTRA SPRAYS

<b>Potato</b> <b>Cucumber</b> <b>Muskmelon</b> <b>Tomatoes</b>	<b>BUG AND BLIGHT SPRAY</b>	To kill bugs and control blight, especially with potatoes	When plants are real young and thereafter at 10-day intervals until 5 applications have been made	2 Tablespoons Dry Arsenate of Lead 3 Tablespoons Prepared Bordeaux Mixture When small Lice appear, add 1 Teaspoon Black Leaf 40
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## REGULAR AND EXTRA SPRAYS

<b>Rose Bushes and Other Shrubbery</b> <b>See Note 1</b>	<b>BUG, INSECT AND LEAF DISEASE SPRAY</b>	To kill insects and bugs and increase vitality of shrub	Apply as foliage appears, especially on Rose Bushes, and thereafter at two-week intervals	2 Tablespoons Dry Arsenate of Lead 3 Tablespoons Prepared Bordeaux Mixture
<b>See Note 2</b>	<b>GREEN LICE (Aphis) SPRAY</b>		As lice (Aphis) appear	1 Teaspoon Black Leaf 40. Use in combination with Arsenate of Lead and Bordeaux Spray, or separately, as desired.

**NOTE 1.**—Mix all ingredients separately in a quart of water and strain through cheese cloth, then add water to complete formula. Use level tablespoon or four level teaspoons for each level tablespoon.

**NOTE 2.**—Spray materials recommended are put up by various manufacturers in package form in various quantities, and are listed in our Insecticide Section.

# Utility Sprayers, Pumps and Dusters

The best line of small sprayers made in America. Every Utility Sprayer is guaranteed.

## KNAPSACK SPRAYER

### Compressed Air Type

#### No. 10, Galvanized Tank; No. 15, Brass Tank



This type of sprayer is the most popular for all general work requiring a sprayer. It is adapted for spraying, white-washing, disinfecting, for the application of glue sizing, etc. The No. 10 tank is made of galvanized steel, the No. 15 of brass. Size 7¼ by 20 inches. Capacity 3½ gallons. Side seam closely riveted and all joints well soldered and tested. Pump cylinder made of brass with bronze ball check valve, which will not deteriorate like rubber. Hose, ½-inch, 5-ply, attached to tank by means of a standard hose connection of brass. Filling cap of ample size, easily removed without use of a wrench. Angle nozzle, automatic shut-off type, made of brass; special design with extension feature; patented; equipped with strainer, fine, medium, and coarse discs.

Packed one in a box. Shipping weight, 10 pounds.

No. 10—Galvanized (postpaid) .....\$ 8.00  
No. 15—Brass (postpaid) ..... 12.50

Do not confuse these sprayers with other cheap makes having leather or rubber valves. Our pump has a bronze ball valve. Nothing to get out of order.

## Utility Two-Wheel Portable (Complete ready to go to work)

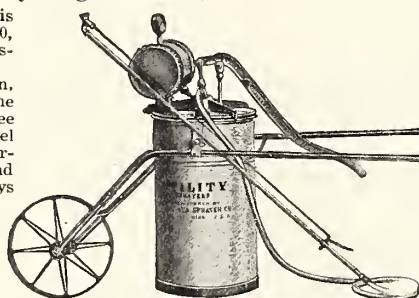
For size and construction, this outfit is the same as our No. 40, with the exception of the air pressure tank and the cart.

When tank is mounted, as shown, it is easily moved about by one hand, which leaves the other free for directing the spray. The steel frame is but 18 inches wide, permitting its use in greenhouses and other places where the passageways are narrow.

The air pressure tank, which is securely mounted on the spider pump casting, is so constructed that a sufficient pressure may be attained and considerable spraying done with one pumping. Tank is supplied with pressure gauge and drain plug.

These outfits are not only adapted for spraying, but for heavy disinfectants, whitewash, cold water paints, kalsomine, and other mixtures of similar nature.

No. 85A, as shown, except it has a two-wheel cart. Weight, crated, 110 lbs. Price \$55.00.



No. 85A

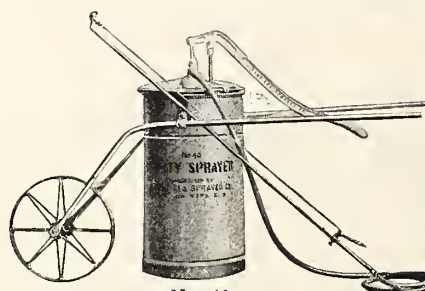
## UTILITY HORIZONTAL BARREL PUMPS

This unit is very desirable for spraying orchards, etc., and on hillsides where the ground is uneven. The barrel is hardwood and securely fastened to skid with two steel rods. The entire outfit is assembled in a rigid manner and well painted. Standard UTILITY Pump with 2 by 28-inch air chamber, 10 feet of ½-inch, 5-ply spray hose. Four feet of spray rod and shut-off nozzles makes up the equipment.

Shipping weight, crated, 140 lbs. Price \$37.50.



## UTILITY ONE-WHEEL PORTABLE



No. 40

A very useful and convenient outfit where the nature of the work necessitates the moving about of a large amount of liquid.

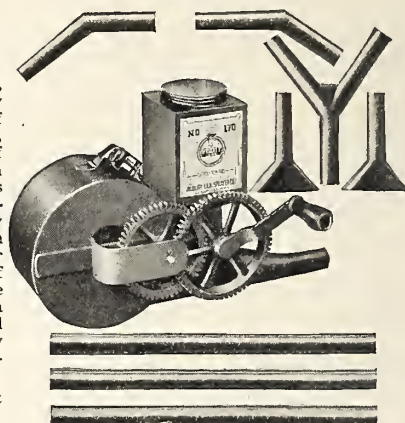
Tank, 18-gallon capacity, made of heavy galvanized iron, reinforced at top and bottom with heavy iron bands. Complete, ready to go to work.

No. 40—As shown above. Weight, crated, 85 lbs. Price \$39.00.

## UTILITY DUSTER NO. 170

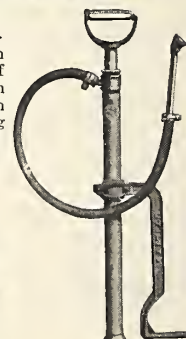
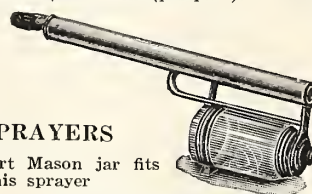
Used for the application, in dry form, of spray chemicals, as Arsenate of Calcium, Arsenate of Lead, Paris Green, etc. Made of heavy tin enameled red; iron and brass machined cut gears used throughout, and so arranged as to give a steady and uniform delivery. Fan is 3½ by 6½ inches, larger than on other dusters of similar construction. The hopper holds more than a quart. The position of feed valve in bottom of supply hopper is shown by indicator on fan box.

Complete, as above. Weight 8 lbs. Price \$11.00 (postpaid).



## UTILITY BUCKET PUMPS

This is a double-action pump, the air chamber being provided by the hollow plunger rod of ¾-inch tubing. Body of pump is 1¼ by 19 inches, made of heavy seamless brass tubing. Pump is equipped with 2 feet of ½-inch, 5-ply hose and 12 inches of ¼-inch pipe and our No. 80 angle service nozzle. Shipping weight, 6 lbs. Price \$5.50 each (postpaid).



## HAND SPRAYERS

Any quart Mason jar fits this sprayer

## OUR GLASS SPRAYER

This is a very good small hand sprayer. The jar can be easily removed and the tubes cleaned. Price 85c. By mail, add 15c postage.

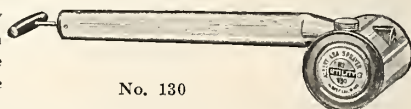
## GLASS POWDER DUSTER

Easy to operate. Fill reservoir with dry powder, such as Paris Green, Hellebore, powdered Arsenate of Lead, etc. Size of spray regulated by operation of plunger. Elbow reversible, enabling operator to spray up or down. Pump cylinder, 1¼ inches diameter, 14 inches long. Length over all, 21½ inches; reservoir, one-pint Mason fruit jar. Price \$1.00 each (postpaid).



## TIN SPRAYER

Made of best quality heavy tin. Large filling hole with cork-lined cap. Discharge tube protected by shield. One quart, 60c (postpaid).



No. 130

ASK TO SEE UTILITY SPRAYERS DEMONSTRATED—YOU WILL HAVE NO OTHER

## Fertilizers, Soil Bacteria and Plant Stimulants



RESULTS AFTER APPLICATION OF RED EAGLE BRAND FERTILIZER

### FLORA FERTILIZER

A complete fertilizer put up for house plants, window boxes and small gardens. 2-lb. cans 35c (postpaid).

### "GROZ-IT" (Pulverized Sheep Manure)

A complete, safe, concentrated natural fertilizer that is light, dry, odorless, free of weeds and trash, with a plant food value many times that of barnyard manure. Safe to use.

**For Lawns.**—After being spread on the grass and watered, the manure disappears, so that, while undergoing fertilization, the beauty of the lawn is not impaired.

For all kinds of flower beds, especially tubers and bulbs, which require a large amount of potash.

For window boxes and house plants.

For fertilizing your trees.

10 lbs. 65c (postpaid), 25 lbs. \$1.30 (postpaid), 100-lb. sack \$2.25, 5 sacks \$10.00, 10 sacks \$17.50.

### HOLLAND PEAT

We import this peat from Holland, as it is clean and free from weed seeds and fungus disease. Holland Peat breaks up heavy soils and puts body into sandy soils. It is used by all nurserymen and greenhouse men. As a lawn dressing it cannot be beat. It cuts your water bills in half, as it is very spongy, holding moisture for a long time. Try some and be convinced. One bale of about 115 lbs. covers a place about 20 x 40 feet. lb, 15c, 10 lbs \$1.00, bale of about 115 lbs. \$6.50, delivered by freight to your station. We pay the delivery. Write for prices in quantity.

### NITRATE OF SODA

A powerful plant stimulant. Dissolve in water about a tablespoonful to 3 gallons. 2 lbs. 25c, 10 lbs. 75c, 100 lbs. \$5.00.

### RED EAGLE SUPERPHOSPHATE FERTILIZER

Contains 18 per cent superphosphate, an organic element which is often missing in our California soils. Not only a very good fertilizer, but a neutralizer, breaking up and releasing insoluble plant foods present in nearly all soils. We can strongly recommend this fertilizer, guaranteed by Government analysis to be a good value at the following prices: 10 lbs. 75c, 25 lbs. for \$1.25, 50 lbs. for \$2.00, 100 lbs. for \$3.50. Delivered by us.

Fertilizers can be sent by parcel post. Customers should add postage at zone rates. Articles marked postpaid are mailed free to the Fourth Zone. Write for prices in large quantities.

### BONE MEAL

An excellent fertilizer that will not burn; slow acting. 5 lbs. 35c, 10 lbs. 60c, 25 lbs. \$1.25, 50 lbs. \$2.00, 100 lbs. \$3.50.

### PURE GROUND BLOOD AND BONE MEAL

Fine pulverized; excellent for rose culture. It decomposes very rapidly and is more quickly effective than the coarser grades. It is excellent for mixing with the soil for potting. 3 lbs. 25c, 10 lbs. 75c, 25 lbs. \$1.50, 50 lbs. \$2.75, 100 lbs. \$5.00.

### FLORAFERRO SOIL STIMULANT

It cleans and purifies foul soils. It kills snails, slugs, cutworms, etc. It breaks up heavy soil and adds plant food element to the soil, making it more fertile. Two-and-a-half-pound package covers 250 square feet. Price 50c (postpaid). Write for quantity price.

### SOIL BACTERIAS

Pennewell's Pure Culture Soil Bacteria, applied to the seed of legumes before planting. For alfalfa, clovers, peas, beans, vetch, cowpeas, and Soy beans (for hay, feed or green manuring). Write for circular giving full information. Packed in 1, 2½ and 5 acre containers. Full directions with each package. Price \$1.00 per acre.

### VITAMITE (For Worn-out Soil)

This wonderful Bacteria is applicable to all plant life directly without the use of legumes. Mix with soil at the rate of 1 part Vitamite to 25 parts soil. Sow broadcast. Use from 5 to 10 lbs. Vitamite per acre. Trial size 50c, 1 lb. 60c, 5 lbs. \$2.50, in 25-lb. lots or more 40c per lb. Write for circular.

### HYDRATED LIME

Should be used for correcting sour soils. Lime is very valuable for agricultural purposes, especially on alfalfa land. This lime is ground as fine as flour, and its action is quicker than the coarse grades. 5 lbs. 25c, 100 lbs. \$3.50. Write for prices in quantity.

# STIM-U-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office

The most modern, efficient and scientific method of fertilizing growing plants.

Stim-U-Plant is the richest plant food on the market, and is put up only in tablet form containing 11 per cent Nitrogen, 12 per cent Phosphoric Acid, and 15 per cent Potash. Stim-U-Plant tablets are water soluble and immediately available. Small size, 30 tablets, 25c; medium size, 100 tablets, 75c (postpaid).

IF YOU HAVE SOIL TROUBLE, TRY A BALE OF HOLLAND PEAT

# Poultry and Stock Supplies

(Prices subject to change)

PARCEL POST

All articles marked postpaid are mailed free to the Fourth Zone. We have entered the weight after mailable articles wherever possible, so that you can compute the postage charges according to the zone you are in. Incubators, Brooders, etc., must go by express or freight charges collect.

NOTE.—A quart of insecticide weighs  $2\frac{1}{2}$  lbs., packed, a gallon 9 lbs., packed.

## DR. HESS POULTRY PANACEA

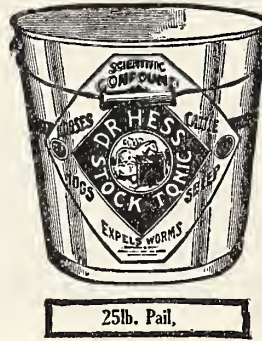


Makes poultry healthy; makes hens lay; not a stimulant, but a tonic, that tones up the dormant egg organs, brings back the scratch and cackle, and compels each hen to put her share of eggs in the market basket.

It also contains internal antiseptics that counteract disease; insures a healthy, singing poultry flock. Cost but a trifle—a penny's worth enough for 30 hens per day.  $1\frac{1}{2}$  lbs. 30c, 3 lbs. 60c, 7 lbs. \$1.25, 25-lb. pail \$3.50. Guaranteed.



## DR. HESS STOCK TONIC



The preparation having a record of 18 years to guarantee it. Everything it contains recommended by the Medical Profession. Every pound guaranteed by Dr. Hess and Clark. Produces greater growth and more milk at less cost than without it. The secret is, it increases Digestion and Keeps Stock Healthy. Only requires one pound of additional growth per month per average hog to pay for Dr. Hess Stock Tonic. Its worth a lot, too, to keep your stock healthy—maybe save the life of an animal. In 25-lb. tubs, \$3.50.

## DR. HESS DIP AND DISINFECTANT



Non-poisonous and non-irritating and guaranteed to be absolutely uniform in strength at all times. One gallon of Dip makes from 70 to 100 gallons effective solution. Spray it on roosts. Sprinkle it over the runs and in all cracks and crevices. Spray it on cattle and horses. Makes a splendid dip for hogs and sheep. It's a sure parasite and disease germ destroyer. Purifies stables, troughs, sinks, drains. Guaranteed. 1 qt. 85c,  $\frac{1}{2}$  gal. \$1.50, 1 gal. \$2.50.

## DR. HESS ROUP REMEDY

For Roup, Diphtheria, Chicken Pox and all catarrhal diseases. It has these distinctive features: It is antiseptic, slightly astringent, non-irritating and healing. 4-oz. cans 25c, 10-oz. cans 50c. Guaranteed.

## DR. HESS' WHITE DIARRHOEA REMEDY

The best medium for this dangerous disease of little chicks. Price, small size, 25c, large size 50c.



## INSTANT LOUSE KILLER

Kills lice on poultry, horses, cattle; sheep ticks; bugs on cucumber, squash and melon vines; cabbage worms; slugs on rose bushes, etc. Sold in sifting-top cans. Look for the word "Instant" before buying. Guaranteed. Small size, 1 lb., 30c; large size,  $2\frac{1}{2}$  lbs., 60c.



## DR. HESS FLY CHASER

Drives flies away. One application lasts six hours. Prevents milk slump. Keeps cattle and horses contented during the fly season. Most humane idea of the age. Its use during summer months will insure good profits. Guaranteed.  $\frac{1}{2}$ -gal. can \$1.25.



## DR. HESS WORM POWDER

For horses, sheep, cattle and hogs. It is highly concentrated and is an effective vermifuge. Dr. Hess' own prescription that proved effective in his practice. Price,  $1\frac{1}{2}$  lbs., 50c.

## DR. LE GEARS REMEDIES

Dr. Le Gears Poultry Prescription.....	$1\frac{1}{2}$ lb. 30c, $3\frac{3}{4}$ lbs. 60c, 9 $\frac{1}{2}$ lbs. \$1.25
Dr. Le Gears Lice Powder .....	1 lb. .30
Dr. Le Gears Roup Remedy .....	1 lb. .25
Dr. Le Gears Cholera Remedy .....	1 lb. .25
Dr. Le Gears Dip and Disinfectant .....	qt. 75c, gal. 2.00
Dr. Le Gears Stock Tonic .....	9 $\frac{1}{2}$ -lb. pkg. 1.00

## CONKEY'S REMEDIES

Conkey's Roup Remedy—25c and 50c.
Conkey's Roup Pills—30c and 60c.
Conkey's Canker Remedy—50c (postpaid).
Conkey's Poultry Worm Remedy—30c and 60c (postpaid).
Conkey's Scaly Leg Remedy—25c (postpaid).
Conkey's Cholera Remedy—25c and 50c.
Conkey's Lice Powder (small), 25c, and 50c (medium).
Conkey's Lice Liquid—Qt. 60c, $\frac{1}{2}$ gal. 90c, gal. \$1.50.
Conkey's Sorcheard Remedy—30c and 55c (postpaid).
Conkey's Fly Knocker—Qt. 60c, $\frac{1}{2}$ gal. 90c, gal. \$1.50.
Conkey's White Diarrhoea Remedy—25c and 50c.
Conkey's Tape Remedy—30c and 55c (postpaid).
Conkey's Noxide—Pkt. 45c, qt. 70c, $\frac{1}{2}$ gal. \$1.15, gal. \$1.80.
Conkey's Lice Fix (Ointment)—25c and 50c.
(Add postage on the above when not marked postpaid)

## CALIFORNIA SEED COMPANY'S SPECIAL RECLEANED BIRD SEEDS

Our special mixed bird seed for canaries. Contains canary, hemp, rape, and millet; no sand or dirt. Special, 5 lbs., 35c. (Add postage at zone rates.)

	Lb.
Imported Essex Rape for birds .....	\$ .15
Common Rape .....	.10
Hemp .....	.10
Millet .....	.10
Bird Sand .....	.02
Sunflowers Seed for Parrots .....	.15
White Corn, White Spanish, for Parrots .....	.15
Bird Manna—Per pkg. 15c.	
(Write for Special Prices in Quantity)	

KEEP YOUR FOWL HEALTHY—SPRAY CHICKEN HOUSES REGULARLY

## Poultry and Stock Supplies—Continued

Charcoal—7c per lb., 50-lb. sack \$2.75.  
Grit—2c per lb., \$1.25 per 100 lbs.  
Oyster Shell—3c per lb., \$2.00 per 100 lbs.  
Ground Bone—8c per lb., \$3.50 per 100 lbs.  
Gravel—2c per lb., 100 lbs. \$1.25.

### THERMOMETERS

(Mailed at Purchaser's Risk)

Brooder, each (postpaid)	\$1.00
Incubator, each (postpaid)	1.00
Greenhouse, each (postpaid)	45c, .60
Mushroom Bed, each (postpaid)	1.75

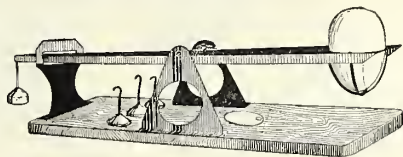
### POULTRY HOUSE SPRAYERS—See Page 56

#### IMPROVE YOUR GRADE

The Gilt Edge Scale is universally used throughout the United States and Canada.

Has a weighing capacity of from 18 to 29 ounces per dozen, graduating by the ounce per dozen. Guaranteed to give satisfaction.

Price each, \$2.00; via Parcel Post, \$2.10.



### AUTOMATIC WATER FOUNTAIN

The guaranteed Automatic Water Fountain especially designed for poultry. May be attached to any water line regardless of pressure.

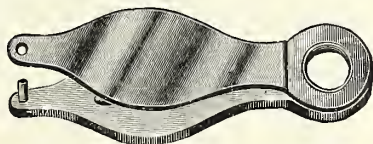
Any kind of a water pan or trough will work perfectly with the "Guaranteed." Price each, \$1.50; via Parcel Post, \$1.60.



### MOE'S POULTRY PUNCH

A popular and practical Punch. Makes a clean perforation and does not bruise the foot.

No. 38—Moe's Punch, each 25c, postpaid.



### SPIRALET CELLULOID COLORED LEG BANDS

Made of the best quality Celluloid. White, black, dark blue, light blue, red, pink, garnet, green, yellow. (Sizes) for Leghorns, Asiatic, Mediterranean. 12 bands, 15c, 50 bands 50c, 100 bands 75c, postpaid. Baby chick size, 10c doz., 65c per 100.

Aluminium adjustable bands numbered 1 to 100, \$1.00 per 100 (postpaid).



### WATER AND FEED CUP

Fine for Exhibition Coops. Capacity about 1 pint. No. 61—Galvanized Cup, each 25c (postpaid).



### BOTTOM FILL FOUNTAINS

The round taper shape prevents damage from freezing. Made in two pieces accurately formed. Easily filled and cleaned. Price 50c; by mail, add 10c postage.

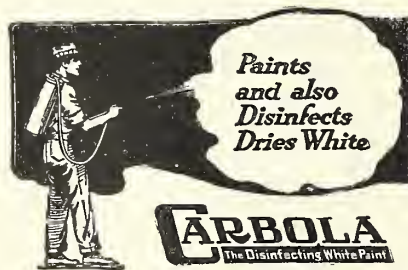


### IMPROVED WALL FOUNTAINS

Made of heavy galvanized iron. Has a covered outlet, which keeps out dust, dirt, etc.

No. 97—½ gal. \$1.10; by mail, add 10c postage.

No. 98—1 gal. \$1.25.

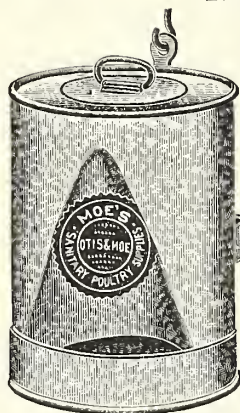


### CARBOLA

The great disinfecting paint. Twenty times stronger than carbolic acid. Used by leading poultrymen, dairymen and stockmen. Use one pound to a gallon of water. One gallon covers 200 sq. ft. Try it and be convinced. Trial size 35c, 5 lbs. 80c, 10 lbs. \$1.50, 50 lbs. \$6.25, 200-lb bags \$22.00. Send for free circular giving full information.

### BROODER FOUNTAIN

Occupies but a small space in a corner of the brood coop. Can be hung up off the floor, so baby chicks can not get wet. A simple sanitary fountain. Price, 60c; by mail, add 10c postage.



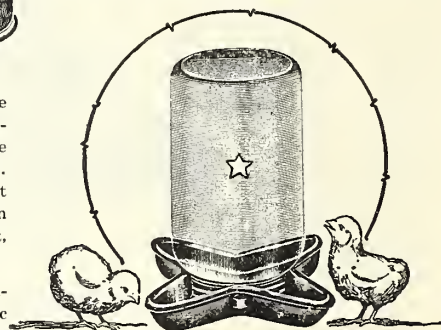
### WALL FOUNTAIN

A very practical water fountain made of heavy galvanized iron. Can be hung on the wall, up out of the litter. Capacity about one gallon. Price 90c; by mail, add 10c postage.

### MOE'S STAR FOUNTAIN AND FEEDER

Made of a single piece of heavy metal. No solder, no seams. Suitable for feed as well as water. Little chicks cannot drown. Fits any Mason jar; in 1-pint, 1-quart, and 2-quart sizes.

No. 32 (Glass Jar not included) — Each 20c (postpaid).

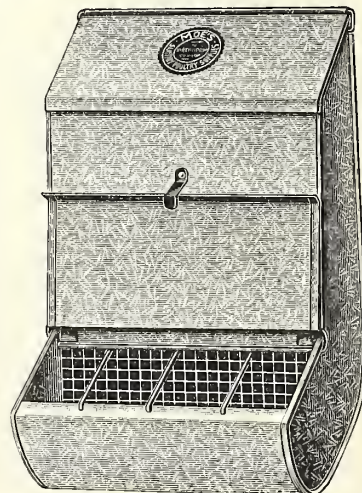


### MOE'S DRY MASH HOPPERS

A strictly high quality hopper, properly designed. The curved bottom keeps the feed in easy reach, and the taper shape of the hopper prevents the feed from clogging. Height, 19 in. No. 35—Width 8½ in., each \$1.75.

No. 36—Width 12 in., each \$2.35.

(By mail add 15c postage)

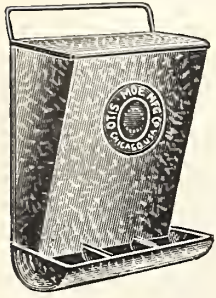


China Nest Eggs—50c per dozen; add 15c dozen for postage and packing. Shipped at owner's risk.

EVERY POULTRY MAN SHOULD OWN A NO. 10 UTILITY SPRAYER

## Poultry Supplies—Continued

### MOE'S GRIT AND SHELL BOXES



A special feed hopper and grit box for baby chicks. Thoroughly well made; no solder used in its construction.

No. 45—Two compartments, each 50c.

Economical and practical for feeding grit, shells, etc.; keeps the fowls in prime healthy condition.

No. 9—Three compartment, each \$1.10. By mail, add 10c postage.

### MOE'S SINGLE FEEDING TROUGHS



For chicks and growing stock. Accurately stamped with dies. No rough edges, and can be hung on the wall. Sliding top.

No. 55—Length 12 in., each 40c.

No. 56—Length 18 in., each 50c.

No. 57—Length 24 in., each 65c.

(By mail, add 10c postage)

### MOE'S SANITARY FEEDING TROUGHS

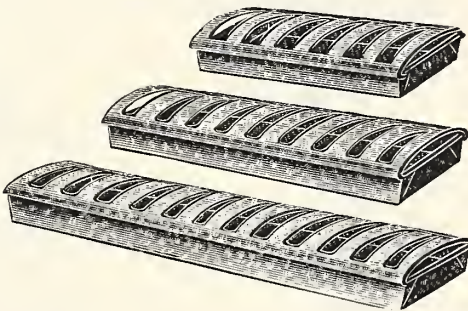
Accurately stamped with dies. No sharp or rough edges to injure the chicks. Top slides off, so pan is easily filled and cleaned.

No. 21—Length 12 in., each 50c.

No. 22—Length 18 in., each, 70c.

No. 23—Length 24 in., each 95c.

(By mail, add 10c postage)



### MOE'S BABY CHICK FEEDERS



A great feed saver, and can also be used for water or milk. Accurately stamped with dies. Top fits snugly, yet is easily taken off for filling and cleaning.

No. 12—Diameter 8 1/4 in., with 12 holes, each 30c.

No. 11—8 holes, 6-in. diameter, each 20c.

(By mail, add 5c postage)

### CROCKERY FOUNTAINS

These are made of crockery, and come in two pieces. Shipped at customer's risk. 35c, 50c, 75c. By mail, add 10c postage.

### RABBIT FEEDERS

These are flat crockery dishes. They are heavy and cannot be upset easily. Shipped at customer's risk. 25c each, \$2.50 per dozen. By mail, add 10c postage.

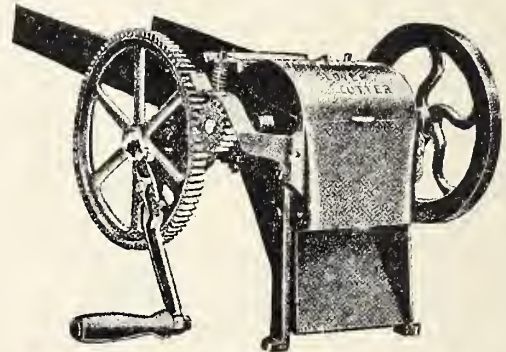
### AUTOMATIC FEEDER AND EXERCISER

Made of galvanized iron. All you do is fill the hopper once a week and let the chickens do the rest. By mail, add 15c postage.

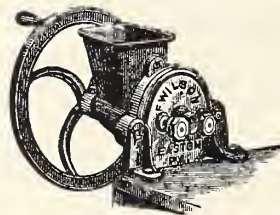
No. 52—8-quart capacity, \$1.75 each.  
No. 53—1/2-bushel capacity, \$2.40 each.

### NEW MODEL CLOVER CUTTER

It is arranged to cut 1-16-inch lengths, and will handle perfectly clover, alfalfa, vegetable tops, or any kind of hay or straw, either green or dry. Originally designed for cutting feed for poultry, but can be used equally well for any other like purposes. The machine is constructed entirely of iron and steel. It is designed to be fitted on a table or other similar structure. The cutting apparatus consists of four 7-inch adjustable spiral steel knives and an adjustable shear plate, making it possible to set the knives as close as a pair of scissors. Cutter knives can readily be removed for sharpening. Length over all, 30 inches. Weight 60 lbs. Each \$18.50.



### GRINDING MILLS



This mill will grind or granulate dry bones, oyster and clam shells, grit, gravel stones, old crockery, glass, charcoal, corn and all sorts of grain.

The grinding surfaces are built of the hardest material obtainable, and will last for years. The general construction of the mill is very durable, and should last a lifetime. Set on a heavy iron stand that can be fastened to a table or bench. Diameter of hand wheel is

20 inches. Size of hopper, 2 1/2 x 3 1/4 x 4 inches. Price \$10.00.

### BANNER ROOT CUTTER

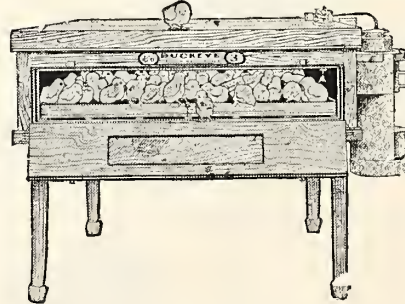
Cuts Beet, Carrot, Turnip and other roots in ribbon-like strips. Weight 44 lbs. Price \$9.00.

### MANN'S GREEN BONE CUTTER

No. 5C, with crank handle, \$14.25.

No. 5B, with fly wheel, \$19.75.

### BUCKEYE INCUBATORS AND BROODERS



The world's best incubator. Automatic regulation, hot water heating system. Anyone can operate them. Send for complete Buckeye Catalog.

Buckeye Incubator—

No. 14E, 65-egg ..... \$18.00

No. 16E, 110-egg ..... 30.75

No. 17E, 210-egg ..... 40.50

Standard—

No. 4, 350-egg ..... 73.75

No. 5, 600-egg ..... 116.00

### BUCKEYE METAL BROODERS

No. 20, 60 chick capacity, \$12.50.

No. 21—100-chick capacity, \$16.25.

No. 22—150-chick capacity, \$20.00.

### STANDARD COLONY BROODER (For Coal)

No. 18—500-chick capacity, \$23.75.

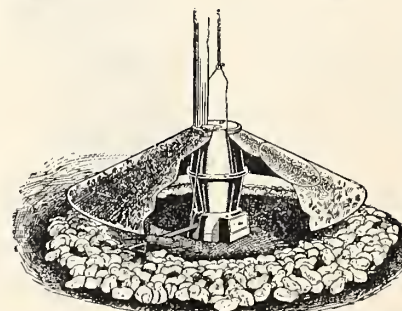
No. 19—1000-chick capacity, \$29.50.

### BUCKEYE BLUE FLAME BROODERS

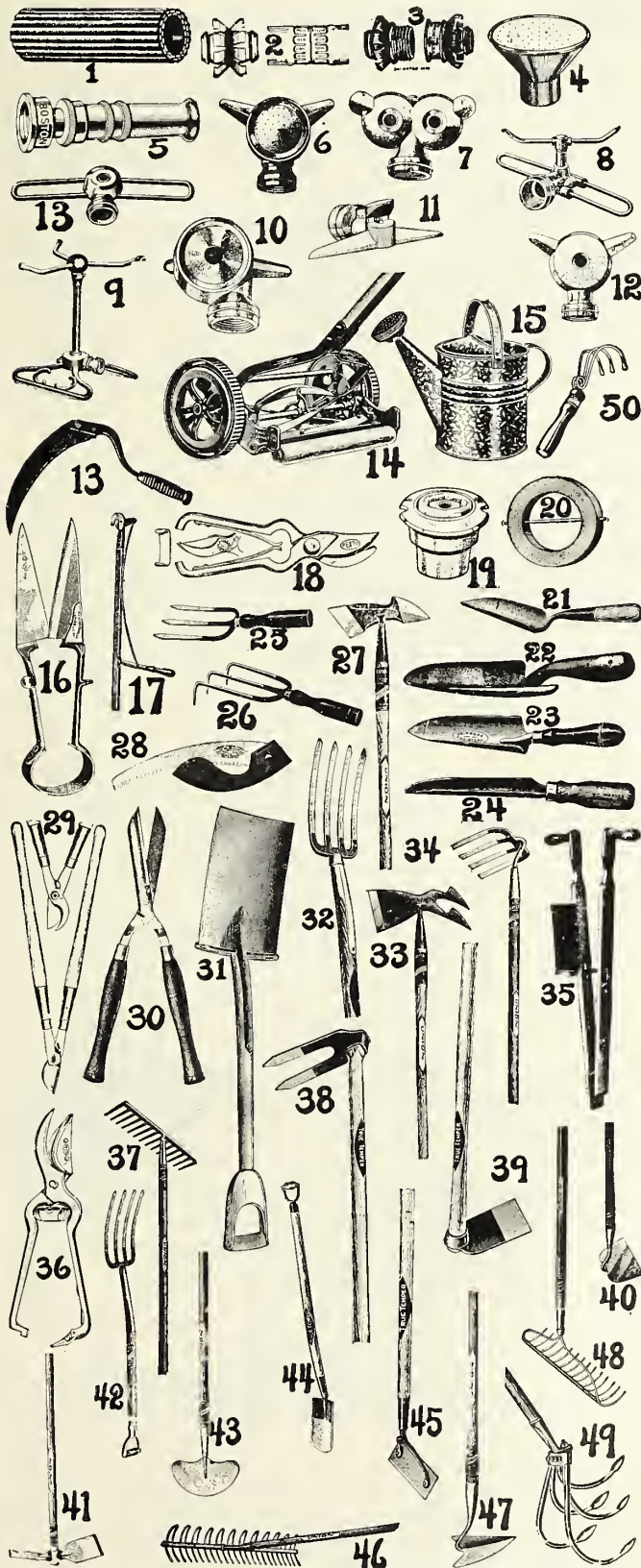
No. 10—200-chick capacity, \$18.75.

No. 11—350-chick capacity, \$22.25.

No. 12—500-chick capacity, \$24.75.



SPRAY YOUR POULTRY HOUSES WITH CARBOLA



## Horticultural Tools and Supplies

(Prices Subject to Change)  
PARCEL POST

All articles marked postpaid are prepaid to the Fourth Zone. Long-handled tools, such as rakes, hoes, spades, etc., are too long to go by parcel post, therefore must go by express or freight, charges collect. We have entered the weight after mailable articles wherever possible, so you can compute the charges according to the zone you are in.

### GARDEN STAKES

Heavy, square, painted green. White tipped; made of redwood and impossible to rot. Per dozen, 3 feet, \$1.00; 4 feet, \$1.35; 5 feet, \$1.85; 6 feet, \$2.25.

### BAMBOO CANES

3 feet, 20c doz., \$1.25 per 100; 4 feet, 25c doz., \$1.50 per 100; 5 feet, 30c doz., \$1.75 per 100; 6 feet, 35c doz., \$2.25 per 100.

### OUR SUPERIOR GARDEN HOSE

All hose looks alike to the average person, and the buyer is usually at the mercy of the seller. Cheap hose is a poor investment, hardly lasting a season. Our high-grade hose will last many years. We have records of as high as eight years' use. We carry two lines of high-grade hose. Our finest grade is Electric Black Corrugated, with the seal of the Rice Leaders of the World.

Fig. No. 1—Electric Black Corrugated,  $\frac{3}{4}$  inch, 25- and 50-foot lengths, at 24c per foot, coupled. Weight of 25-foot lengths, about 14 lbs. packed.)

For those wanting a good, medium-priced hose, we offer our Superior Moulded Smooth Hose in any length,  $\frac{3}{4}$  inch, at 18c per foot, coupled. (Weight of 25-foot length about 12 lbs. packed.) Half-inch in any length at 16c per foot, coupled. (Weight of 25-foot length, about 9 lbs., packed.)

Special prices on large quantities.  
Fig. No. 20—Secure Hose Washers; can't fall out ..... 4 for \$ .05  
Fig. No. 2—Perfect Clinching Hose Menders,  $\frac{1}{2}$  in.,  $\frac{5}{8}$  in.,  $\frac{3}{4}$  in., 2 for .25  
Fig. No. 3—Perfect Clinching Hose Coupling,  $\frac{1}{2}$  in.,  $\frac{5}{8}$  in.,  $\frac{3}{4}$  in. .... set .35

Plain Rubber Hose Washers, for  $\frac{1}{2}$  in. to  $\frac{3}{4}$  in. .... per doz. .10  
Handy-Lite Hose Reel—A simple reel holding 50 feet of hose.... each 2.00

### HOSE NOZZLES

Fig. No. 5—Boston—Adjustable coarse to fine ..... (postpaid) \$ .85  
Fig. No. 4—Brass Rose—Heavy cast, polished ..... (postpaid) .75  
Ross—A fan-shaped nozzle for fine work ..... (postpaid) .90  
Cub—Similar to Boston, but smaller ..... (postpaid) .75

### LAWN SPRINKLERS

Fig. No. 6—Thompson's Shower Sprinkler ..... (postpaid) \$ .50  
Fig. No. 7—Thompson's Twin ..... (postpaid) .40  
Fig. No. 8—Thompson's Junior Revolving ..... (postpaid) 1.10  
Fig. No. 10—Thompson's Simplex ..... (postpaid) .50  
Fig. No. 11—Thompson's Fan ..... (postpaid) .35  
Fig. No. 12—Thompson's Fountain ..... (postpaid) .50  
Fig. No. 13—Thompson's Peerless ..... (postpaid) .60  
Fig. No. 19—Thompson's Adjustable Sprinkler Head ..... (postpaid) .85  
Threaded for  $\frac{1}{2}$ -inch pipe, \$9.00 dozen)  
Fig. No. 9—Revolving Sprinklers, \$2.00 (postpaid).

### IMPERIAL PIPE LAWN SPRINKLER



#### Efficient in Operation

Sprinkles uniformly over rectangular area. Unexcelled for parking or other narrow sections of lawn. Adjustable. Spray pipe may be rotated, throwing the jets to the right or left. Practical in construction. Made of galvanized steel pipe. Supporting standards made of heavy galvanized sheet steel. Provided with removable end cap, allowing of ready cleaning. No. 110—7-foot length,  $\frac{3}{4}$ -in. pipe with  $\frac{3}{4}$ -in. standard hose connection. Weight, 5 lbs. each. Price \$3.00. (Not mailable.)

We carry large revolving sprinklers, as used in parks, golf courses, etc. If in the market, write for prices.

### GRASS SHEARS

Fig. No. 16—Polished steel, raised handles. \$1.25 (postpaid).  
Plain black handles, polished blades. 85c (postpaid).

### GRASS HOOKS OR SICKLES

Fig. No. 13—Made of finest steel. \$1.00 each (postpaid).

OUR TOOLS AND SUPPLIES ARE OF THE HIGHEST QUALITY

# Horticultural Tools and Supplies—Continued

(Articles with Fig. Nos. are illustrated on page 61)

## Lawn Mowers

Our Lawn Mowers are manufactured by one of the largest concerns of its kind in the United States. We have sold these mowers for five years, and every one who has bought one is a satisfied customer. Its many good features and the high-grade material used has made it a favorite with job gardeners in San Francisco. Come to our store before you buy a lawn mower, and we will show you why our machines are the best for the price offered anywhere.

### MOUNT TOM (Ball Bearing)

Fig. No. 14—This Mower is the most popular ball-bearing machine we offer for the average home. Eight-inch drive wheels, four tempered tool steel blades, 5½-inch reel. Patent cone adjustment. Ball race 1½ inch in diameter and ¼-inch steel balls. Crucible tool steel underknife, hardened and tempered, with full adjustment. Light and easy running. 12 inch, \$11.75; 14 inch, \$12.25; 16 inch, \$12.75. Delivered to your station.

### INTERNATIONAL (Ball Bearing)

For those who have a larger lawn than the average we recommend our "International." This mower has 11-inch drive wheels. It has five tempered tool steel blades. Patent cone adjustment, self-sharpening under knife. Highest quality material used throughout. We stand back of this mower, as it is the highest class machine made. 15 inch, \$18.50; 17 inch, \$20.00; 19 inch, \$21.50. Delivered to your station.

### NEW ENGLAND (Plain Bearing)

For those who have just a small lawn, the "New England" will prove satisfactory. Has 8-inch drive wheels and three tempered tool steel blades. Crucible tool steel underknife, hardened and sharpened. 12 inch, \$8.50. Delivered to your station.

### GRASS CATCHERS

Galvanized steel bottom, heavy wire frame, canvas bag, adjustable to mowers from 12 in. to 16 in. Price \$1.50 each. By mail, add 15c postage.

### PRUNING SHEARS

Fig. No. 18—Reiser Pattern—Full polished, best quality crucible, steel blades, adjusting nut and regulating ratchet. Longitudinal double brass springs, removable land clip. Price \$3.25 (postpaid).

Fig. No. 36—Ladies' Polished Nickel Shears—A small shear for light work, such as rose bushes, etc. Extra quality. Price \$1.50 (postpaid).

California Pattern—Plain black iron handles, polished steel blades, volute springs. Price \$1.25 (postpaid).

### ORCHARD PRUNING SHEARS

Fig. No. 29—Extra Heavy Pruning Shears—Made in the Cartright pattern, forged from high-grade tool steel and finely tempered. This is a much better shear than those offered in most stores. 26 or 30-in. handles. Price \$3.50 (postpaid).

### LONG-HANDLE TREE PRUNERS

Fig. No. 17—Six feet, \$2.00; 8 feet, \$2.25; 10 feet, \$2.50; 12 feet, \$3.00. (Not mailable.)

### HEDGE SHEARS

Fig. No. 30—Disston, polished, crucible steel blades, hardwood handles. The best hedge shear. \$3.50 (postpaid).

Ladies' Disston—Same as above, but smaller and lighter. Price \$2.00 (postpaid).

### PRUNING SAWS

Fig. No. 28—Disston—A popular folding saw that can be carried in your pocket. Price \$1.50 (postpaid).

### PRUNING KNIVES

Large Pruner—Curved handles. \$1.50 (postpaid).

Budding Knives—Straight ivory handle. \$1.75 (postpaid).

Grafting Knives—Best quality. \$1.75 (postpaid).

### GARDEN TROWELS

Fig. No. 23—Primrose—A good inexpensive trowel. 20c (postpaid).

Fig. No. 24—Transplanting—Narrow steel blade, hardwood handle. 25c (postpaid).

Fig. No. 21—Hand Forged—The best trowel made, polished steel. 85c (postpaid).

Fig. No. 22—All Steel—A good, durable steel trowel. 35c (postpaid).

### MAGIC WEEDERS

Fig. No. 50—

Style A—Small hand weeder, three prongs. 15c each.

Style B—Same as A, except it has 18-in. handle. 30c each.

Style C—Same as A, but with four prongs. 30c each.

(By mail, add 5c postage)

Fig. No. 25—Gem Garden Fork—Malleable tines, blackwood handle. 50c (postpaid).

Fig. No. 26—Eureka Cultivator—Heavy prongs, blackwood handle. 50c (postpaid).

Fig. No. 49—Norcross Garden Cultivator—A long-handled, five-prong cultivator. \$1.25 each.

Three-prong—Long handle. \$1.00 each.

Three-prong—Short handle. 65c (postpaid).

Fig. No. 44—Floral Shovel—A narrow shovel for ladies' use. D handle, 38 in. long. \$1.00 each.

Floral Sets—These sets include a floral shovel as above, a polished steel hoe with 42-in. handle and a six-tine rake with 42-in. handle. This is a fine outfit for ladies or children. Set complete, \$1.75.

Fig. No. 31—Spades, D Handle. \$1.75 each.

Spades, Long Handle. \$1.75 each.

Fig. No. 42—Spading Fork, D Handle—Extra strong, \$2.00 each.

Fig. No. 32—Spading Fork, Long Handle—Extra strong, \$2.00 each.

Boy's Spading Fork—A small fork for light work. \$1.25 each.

### RAKES

Fig. No. 46—Wire Lawn Rake. \$1.00 each.

Jap. Bamboo Lawn Rake. 60c each.

Fig. No. 48—Round Bow Rake—12-tine, \$1.25; 14-tine, \$1.40; 16-tine, \$1.50 each.

Fig. No. 37—Straight Shank Rake—12-tine, \$1.10; 14-tine, \$1.25; 16-tine, \$1.35 each.

### HOES

Fig. No. 40—Garden Hoe—Extra heavy. \$1.15 each.

Ladies' Hoe—Light, 5-in. blade. \$1.00 each.

Fig. No. 47—Warren Hoe—Heart-shaped, long handle. \$1.35.

Baby Warren—Small, with short handle. 75c (postpaid).

Fig. No. 38—Vineyard Hoe—\$1.50 each.

Fig. No. 39—Grub Hoe—\$1.10 each.

Fig. No. 41—Mattock Hoe—\$1.25 each.

Fig. No. 27—Cultivator Hoe—\$1.25 each.

Fig. No. 33—Acme Weeding Hoe—\$1.25 each.

Fig. No. 45—Scuffle Hoe—\$1.35 each.

Fig. No. 43—Turf Edger—\$1.25 each.

Fig. No. 34—Potato Hook—\$1.25 each.

### SHOVELS

Shovels—round point, polished steel, long handle. \$1.75 each.

Shovels—Square point, polished steel, long handle. \$1.75 each.

Post Hole Diggers—Iwan—Most popular soil auger, steel jaws, iron rod, hardwood handle. 3 in., \$2.25; 4 in., \$2.50; 6 in., \$2.75.

### WATERING POTS

Fig. No. 15—Galvanized, well made—6-qt., \$1.25; 8-qt., \$1.40; 10-qt., \$1.65; 12-qt., \$1.80 each. (Not mailable.)

### RUBBER-PLANT SPRINKLERS

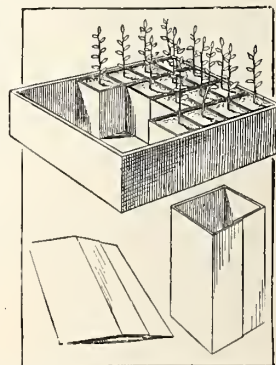
For sprinkling plants and seed beds, angle neck. \$1.40 each, postpaid.

### THE EXPAN PLANTING POT

Made of heavy tar paper. Open top and bottom. For propagating plants, trees and shrubs—no waste space, no breakage. For the nurseryman, florist and market gardener. You can grow melons, squash, cantaloupes, cucumbers, etc., three weeks earlier in these pots than out in the open. When setting the plants in the field plant the pot and all, leaving about one inch above the top of the soil; this protects the tender plant from cut worms, wire worms, moles, and field mice.

Size	Per 12	Per 100	Per 1000
3 x 4	20c	\$1.40	\$6.35
3 x 5	25c	1.50	7.35
3 x 6	30c	1.60	8.95

Mailable. (100 weigh about 5 lbs. packed.)



### TREE PROTECTORS

These are strips of thin wood, 7 inches wide, affording a perfect and necessary protection against sunburn and pests. Wet these before using to prevent cracking.

	Per 100	Per 1000
12 in. (weight 8½ lbs.)	\$1.30	\$11.50
14 in. (weight 10 lbs.)	1.35	12.50
16 in. (weight 11 lbs.)	1.50	14.00
18 in. (weight 12 lbs.)	1.70	15.50
24 in. (weight 19 lbs.)	2.00	18.50

These protectors are the best, as wire bands go all the way around, preventing winds from blowing them away.

# Horticultural Tools and Supplies—Continued

## WOODEN LABELS (For Marking Trees, Plants, Etc.)

		Wt.	Painted	
		Lbs.	Per	Per
3½-in. Copper Wire Tree Labels.....	4¼ m	100	\$ .40	\$3.00
4-in. Pot Labels .....	3¼ m	.25	.25	2.25
5-in. Pot Labels .....	4 m	.30	.30	2.90
6-in. Pot Labels .....	4½ m	.35	.35	3.40
8-in. Pot Labels .....	—	1.10	1.10	10.00

## RAFFIA

Largely used by nurserymen and others and considered the best and cheapest material for tying known. Lb. 35c, in 10-lb. lots 30c per lb. In bale lots (224 lbs.) write for special Eastern prices. Selected Oregon. Lb. 20c, 10 lbs \$1.50.

## MOSS

Selected Oregon. Lb. 20c, 10 lbs. \$1.50.

## GRAFTING WAX

¼ lb. 15c, ½ lb. 25c, lb. 45c, postpaid.

## PRUNING COMPOUND

Used to seal bleeding limbs of trees after pruning. 1 pint 30c, qt. 55c.

## WIRE HANGING BASKETS

Galvanized, strongly made, 8 in. 25c each, \$2.50 doz.; 10 in. 30c each, \$3.25 doz.; 12 in. 40c each, \$4.00 doz.; 14 in. 50c each, \$4.50 doz. Shipped at owner's risk.

## Flower Pots, Fern Dishes, Seed Pans

	Each	10	100
3 inch .....	\$.05	\$ .40	\$ 3.25
4 inch .....	.07	.60	5.00
5 inch .....	.08	.80	6.25
6 inch .....	.13	1.00	8.00
7 inch .....	.15	1.40	11.00
8 inch .....	.25	2.25	17.50
9 inch .....	.35	3.00	22.50
10 inch .....	.50	4.00	35.00
12 inch, fluted .....	.80	7.50	60.00

## SAUCERS

	Each	10	100
4 inch .....	\$.05	\$ .40	\$ 3.50
5 inch .....	.07	.60	5.00
6 inch .....	.08	.75	7.00
7 inch .....	.10	.90	8.00
8 inch .....	.15	1.40	13.00
9 inch .....	.20	1.75	16.00
10 inch .....	.30	2.50	20.00
12 inch .....	.50	4.00	35.00

Larger sizes quoted on request. Packing extra at cost. Shipped at owner's risk.

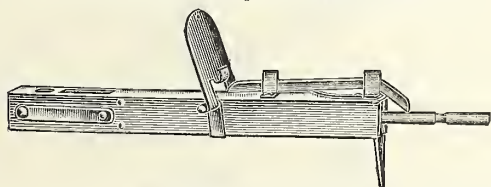
## VINE STAPLES

Copper finished. Per lb. pkge. 25c (postpaid).

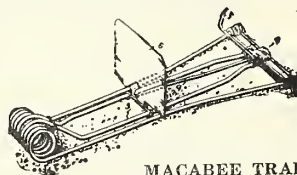
## HORTICULTURAL BOOKS

California Fruits and How to Grow Them—Complete on fruits, nuts and berries. By Prof. E. J. Wickson. \$4.00; by mail, \$4.15.  
California Vegetables in Garden and Field—By Prof. E. J. Wickson. \$2.00; by mail, \$2.15.  
California Garden Flowers—By Prof. E. J. Wickson. (Weight 1¼ lbs.) \$1.50; by mail, \$1.60.  
Roeding's Fruit Growers' Guide—A practical book on fruit growing in California. \$1.25; by mail, \$1.35.  
Sies Dahlia Manual—Up-to-date culture of the dahlia. 60c; by mail, 65c.

## GOPHER AND MOLE TRAPS The Never-Fail Gopher and Rodent Gun



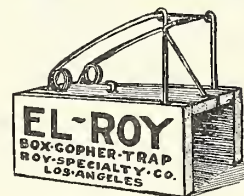
This gun has proved so successful and we have received so many testimonials that we do not hesitate to recommend it as the surest rodent killer on the market today. It explodes a 38-calibre blank cartridge and tears the animal to pieces. Write for circular. Each gun comes packed in a box with full instructions. Price \$1.75 (post paid).  
Blank cartridges for above, 25c dozen; box of 50, 85c (not mailable).



MACABEE TRAP

## Macabee Gopher Trap

This is the most popular wire trap on the market. Anyone can catch a gopher with this trap. 25c (post-paid).



## Box Gopher Trap

This trap is recommended in sandy soil, as it prevents the sand from running down the hole. 35c (postpaid).

## REDDICK MOLE TRAP

This trap has six long needle-like prongs, which pierce the mole, no matter which direction he is traveling. Price \$1.25 (postpaid).



## Gas Ball Rodent Killer

Is a ball which when lighted and rolled down into the burrow pours forth a deadly poisonous gas that carries death to any living thing in the burrow. Although it means absolute destruction to the rodents, it is perfectly safe for the farmer to handle and cattle cannot be injured or endangered by its use. It is non-explosive, does not deteriorate with age, and is cheaper than similar material on the market. Dozen 40c, 3 doz. \$1.00, box of 125 \$2.75 (post-paid).

## Okay Gopher Poison

Poisoned raisins and grain. 6-oz. pkge. 35c, 1-lb. pkge. 60c (not mailable).

## Okay Poisoned Wheat

For rats, mice, gophers and squirrels. 6-oz. pkge. 35c, 1-lb. pkge. 60c. (Not mailable.)

## Okay Grasshopper Poison

For grasshoppers, cut worms and certain ground beetles. 5 lbs. \$2.50 (Not mailable.) Write for special prices in quantity.

## AT LAST!

Here is the long-handled (4-foot) weed puller that saves you backaches. \$1.50 each. (Not mailable.)



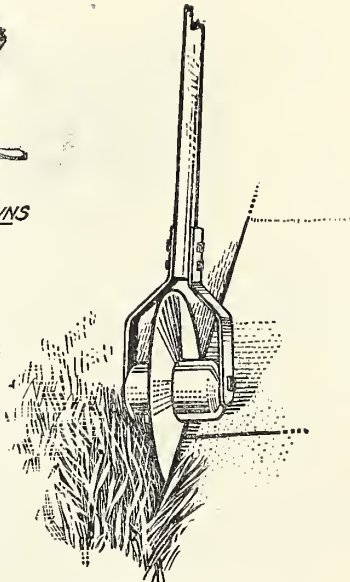
## THE PINES LAWN EDGE TRIMMER

"Trims What the Mower Can't"  
The only Trimmer that replaces the small hand shear and makes easiest that work which was hardest.

It does in two minutes more and better work than can be done in two hours with the old hand shear.

Makes the neatest lawn in the quickest time and with the least effort.

The cutting knife is 6 inches in diameter and is made of highest quality saw steel, hardened and tempered. The traction rollers are of hard maple, paraffine treated, so they will not warp or swell. Length over all, 49 inches, and weight only 3 lbs. \$2.00 each. (Not mailable.)



THE NEVER-FAIL GOPHER GUN WILL SOLVE YOUR RODENT PROBLEM

# Horticultural Tools and Supplies—Continued

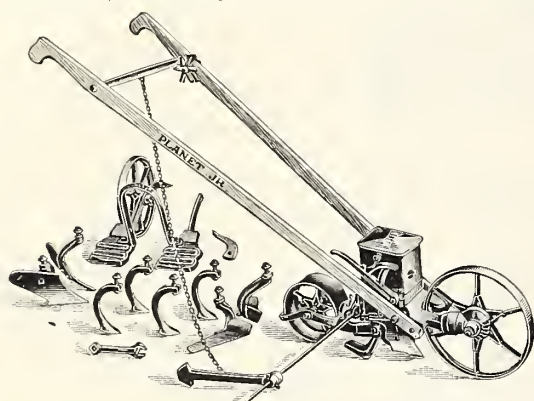
## SEEDERS, CULTIVATORS AND PLANTERS

### PLANET JR. SEEDERS AND CULTIVATORS

(Write for Special Planet Jr. Catalog)

#### No. 25. Planet Jr. Combined Hill and Drill Seeder

Double and Single Wheel Hoe, Cultivator and Plow. Holds  $2\frac{1}{2}$  quarts. Weight, complete, 61 lbs. It combines in a most practical way the Planet Jr. No. 4 Drill and No. 12 Double and Single Wheel Hoe. Equipment: One pair of 6-inch hoes, four cultivator teeth, one pair plows, two leaf guards, one marker, all oil tempered.



The No. 25 Planet Jr. shown above is the best machine of its kind made. Price, complete, \$22.50.

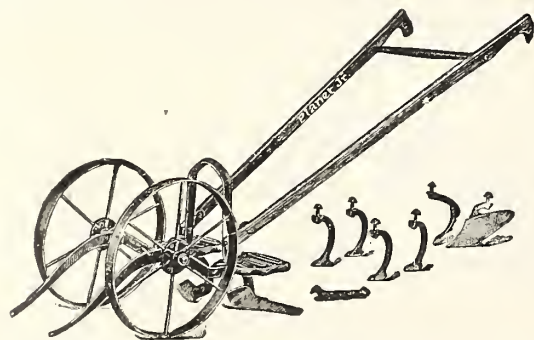
#### Planet Jr. No. 4

Similar to No. 25, except it is only a single-wheel outfit and has only three cultivator teeth and one plow. Price \$18.75, complete.

No. 4D—Seeder only. Price \$15.00.

#### No. 12 Planet Jr. Double and Single Wheel Hoe Combined

Equipment: One pair of 6-in. hoes, four steel cultivator teeth, one pair of plows, two leaf lifters, all oil tempered. Steel frame, steel wheels. Packed weight, 33 lbs.



The No. 12 is the most popular Double Wheel Hoe made. It can be used by man, woman or boy. It is identical with No. 11, except that the  $4\frac{1}{2}$ -inch hoes and the rakes are omitted from the equipment, and it is sold at a correspondingly less price. The attachments with it are what gardeners use most, and the short hoes, rakes, and any of the attachments can be added at any time. You'll be astonished how easy it is to save time, labor, money, and get bigger crops if you use it. Price \$12.00.

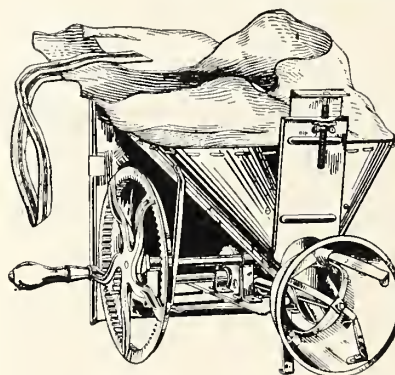
#### No. 119. Planet Jr. Garden Plow and Cultivator

Equipment: One  $1\frac{1}{4}$ -inch cultivating tooth, one 4-inch cultivating tooth, one plow, one reversible scuffle blade. Weight  $16\frac{1}{2}$  lbs. 24-in. steel wheel. The high wheel makes this one popular as a garden cultivator. Price \$5.00, complete. See illustration opposite.

#### NO. 17. SINGLE WHEEL HOE

A single-wheel outfit with 15-inch wheel. One pair of 6-inch hoes, three steel cultivator teeth, and one large garden plow. Price, complete, \$8.00.

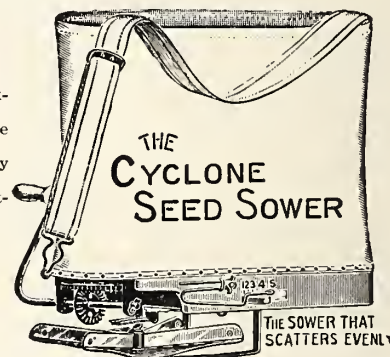
### CAHOON BROADCAST SEEDER



Our broadcast seeder is an improved model and the best one we know of. Handles all kinds of seeds, such as alfalfa, clovers, grasses and grain. Price \$4.50 (postpaid).

### CYCLONE SEEDER

For those requiring an inexpensive broadcast seeder, the "Cyclone" will be found very satisfactory. Price \$2.00 (postpaid).

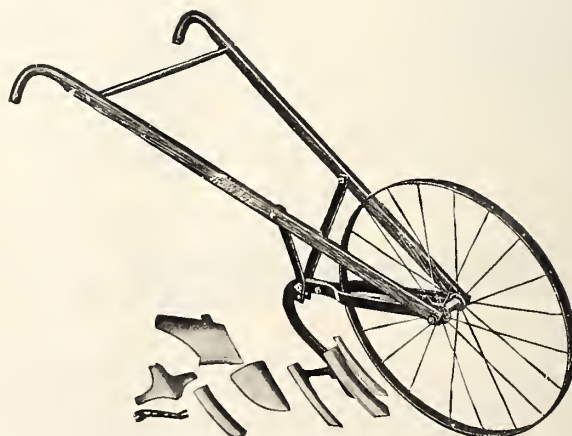


### CORN PLANTER

Triumph—See page 61, Fig. No. 35.. This is the most popular hand corn planter. \$1.50; by mail, 15c extra.

### POTATO PLANTER

Eureka—This makes potato planting easy. All metal. \$2.25 each (postpaid).




PLANET JR. NO. 119

PLANET JR. GOODS ARE THE STANDARD ALL OVER THE WORLD

# Nursery Department

Each season we retail a complete stock of ornamental shrubs, shade or fruit trees, vines, bedding and vegetable plants, etc. In offering the following list of nursery stock our many customers appreciate that most descriptions and lists have a tendency to become more or less stereotyped. **OFTEN NAMES ARE MEANINGLESS OR CONFUSING** to many who have gardened for a number of years. If you are in doubt, send or bring in your specimens of flowers, fruit, or shrubbery for identification.

 Customers will please recall that Rush Season often causes unavoidable delays. We will make every effort to fill your order as promptly as possible under such circumstances.

## NOTICE TO CUSTOMERS

**CUSTOMERS** are requested to state the mode of conveyance by which they desire their order forwarded. When no route is named, we forward to the best of our judgment, without liability for error or delay.

No trees or plants sent C. O. D.

All trees and plants are carefully and securely packed in the best manner, for which a small charge is made sufficient to cover cost of material used, unless otherwise specified.

We warrant plants and trees true to name and in healthy growing condition at time of shipment or delivery, but we are not responsible for any damage that may occur while in transit, nor do we guarantee the purchasers success in cultivation of same. It must be plain to everyone that it is to our best interest to sell only such stock as will grow and prove true to name. If errors should occur, please notify us immediately and we will make satisfactory corrections, but it is mutually agreed between the purchaser and ourselves that we shall not at any time be liable for any amount greater than the original price of stock.

## FLOWERING AND BEDDING PLANTS

We grow most of the popular flowering and ornamental plants from seed in boxes for our spring trade. Anyone can have a successful garden with the least amount of care at a saving of considerable time from these small plants, which are generally 4 to 6 inches high at time of sale—February to May. Descriptions of the varieties listed below can be found on the pages devoted to Flower Seeds.

When priced at 35c per dozen, 100 plants are \$2.25  
When priced at 50c per dozen, 100 plants are \$3.50.  
When priced at 75c per dozen, 100 plants are \$5.00.  
Postpaid to 1st, 2nd and 3rd zones.  
Packed right free. That insures results.  
50 at 1/2 100 rate—6 plants at dozen rate.

## GIANT FLOWERING PANSY PLANTS

60c per dozen—strong plants—\$4.00 per 100. Postpaid.  
Ready Any Time for Delivery

Every conceivable Pansy color is found in our remarkable strain raised from the most expensive seed that can be obtained. You will be pleased with the almost endless variety and the complete satisfaction our Giant Pansy plants give.



A SPRAY OF THE OLD-FASHIONED FRAGRANT GILLY FLOWERS OR STOCKS



GIANT COSMOS WILL GIVE YOU A WEALTH OF FLOWERS THIS EARLY FALL

## Annuals

Comprise some of our most popular cutting and bedding flowers. All are very free flowering and satisfactory. Be sure to order from this list if you want quick returns.

	Dozen
Asters—Mammoth mixed colors only	\$ .50
Calendula—Best double yellows and orange, mixed	.35
Calliopsis—Finest single mixed	.35
Centaurea—Bachelor Buttons, deep blue or mixed	.50
Centaurea—Sweet Sultans, choice double mixed	.50
Cosmos—Single Giants of California mixture	.50
Gaillardia—Single mixture, good for cutting	.50
Godetia—Satin Flower, finest mixture, all colors	.50
Larkspur—Annual Double Emperor mixed	.50
Lobelia—Dwarf, bright blue, "Crystal Palace"	.35
Marigold—Dwarf, French mixture of doubles	.35
Marigold—Tall Double French mixed	.35
Marigold—Tall Double Giant African mixed	.35
Petunias—Giant ruffled single mixed	.75
Salpiglossis—Finest Emperor single mixed	.50
Scabiosas—Pin Cushions, special mixed	.50
Snapdragons—Tall, large flowering mixed	.50
Stocks—Summer or Ten Weeks, mixed only	.50
Stocks—Winter or Nice, mixed only	.50
Zinnias—Special Mammoth mixed	.50

## Perennials

This group is exceedingly valuable and becoming more popular each season as our customers become acquainted with the fact that they are permanent, giving results year after year with very little attention. See Hardy Perennial Plants for large year-old clumps. The following are well-grown young seedling plants.

	Dozen
Coreopsis—Single pure yellow, good cutter	\$ .50
Calceolaria—Yellow or brown mixed	.75
Columbine—Fine single mixed	.75
Cinerarias—Giant Exhibition, best and largest	.50
Chrysanthemums—Large mixed colors only	1.00
Canterbury Bells—Single mixed only	.75
Delphiniums—Hybrids in many blues	.75
Dianthus—Double border mixture	.50
Forget-Me-Not—Alpestris, best blue	.50
Foxgloves—Tigered and Spotted mixed	.75
Primroses—Pure yellow or fine mixture	.50
Penstemon—Rooted cuttings, mixed	.75
Salvia—Splendens, best scarlet bedding	.50
Shasta Daisy—Beautiful pure white	.50
Sweet William—Finest single mixed	.75
Verbenas—Very choicest, separate colors	.50
Wallflowers—Best single mixed	.50

## Border or Edging Perennials

	Dozen
Armeria (Sea Pink)—Grasslike foliage, pink flowers	\$ .35
Boxwood (Dwarf Box)	\$6.00 per 100) .85
Border Pinks—Well-known fragrant flowers	.50

Daisies—Popular dwarf English double daisies	.60
Golden Feather—Yellow cut leaved foliage	.35
Primrose—Yellow English sort, free blooming	.50
Primrose—All colors mixed. Makes fine border	.50
Santolina—Gray green foliage. Good for designs	.35

A GARDEN IS ASSURED IF YOU ORDER FROM THIS PAGE

## Hardy Perennial Plants

Each season we carry over the most popular perennials and offer one-year-old clumps or roots grown in the open ground or pots to give immediate results. We can recommend the following varieties to give an abundance of flowers the season of planting. We pack all our nursery stock with great care, knowing that often they are in transit 5 or 6 days.

**SPECIAL ATTENTION!**—Our prices on Hardy Perennial Plants are the actual cost delivered to your home in the 1st, 2nd, and 3rd Zones. Safe delivery guaranteed.

**Agapanthus** —(Blue African Lily)—Any location, 3 feet. Produces large clusters of 25 to 30 bells of beautiful bright blue flowers on long thick stems in the fall and summer. Can be grown very easily from our large clumps at 30c each; \$3.00 per 12.

**Agathea Coelestis** (Blue Marguerite)—Sky-blue flowers with yellow disk growing 1 foot. Perennial, remaining in bloom all year round. Useful for window boxes. Pot grown, each 25c each, \$2.50 per dozen.

**Anemone Japonica** —(Windflower)—Particularly suited for a half-shady place, this beautiful perennial blooms profusely late in the summer until fall. Splendid for cutting. White and pink, strong potted plants. 30c each; \$3.00 per dozen.

**Carnations** —Sunny, warm location; 2 feet. Carnations will thrive in any good fresh garden soil. Keep them watered and cultivated while they are growing, mulching with a light straw manure when the buds come. Staking is usually necessary at this stage. The following list contains a very choice collection of colors. Fine, strong, well-rooted plants. 20c each; \$2.00 per dozen.

**Belle Washburn**—Finest fringed bright scarlet.

**White Enchantress**—Superb pure white.

**Harlowarden**—Splendid, very deep crimson.

**Mrs. Roper**—Beautifully formed deep pink.

**Benora**—Creamy white, penciled bright red.

**Enchantress Supreme**—Light salmon pink.

**Yellow Prince**—A good yellow.

**Aviator**—Very free blooming, rich scarlet.

**Matchless**—Sweetly perfumed new white.

**Rose Pink Enchantress**—Well-known deep pink.

**Laddie**—Remarkable new glistening salmon pink that is easily grown. Immense perfect flowers on long stiff stems. 30c each; \$3.00 per dozen.

**Maine Sunshine**—Sensational new clear golden yellow on long graceful stems; sweetly perfumed. Remarkably strong grower and free flowering. 30c each; \$3.00 per dozen.

**SPECIAL OFFER**—10 distinct varieties. Every one a leader in its color, including Laddie and Maine Sunshine. This is your CARNATION starter. Only \$2.25 (postpaid).

**Cannas**—Sunny, warm locations are best. Gorgeous and effective bedding plants with tropical-like green and bronze foliage. They grow well in any soil, responding quickly to liberal treatment. Present a brilliant and continuous display until frost.

**King Humbert**—Brilliant orange-scarlet flowers. Foliage is a rich coppery bronze and green; 5 to 6 feet.

**Louisiana**—Beautiful dark crimson blooms, set off by its dark green foliage; 5 feet.

**Wyoming**—Massive orange-colored flowers of orchid shape with bronzy purple foliage; 7 feet.

**Firebird**—The largest and brightest red known. The flowers are eight inches across and very showy.

**Mrs. A. F. Conard**—Best large pink suffused salmon, bright green leaves; 5 feet.

**Carl Lutz**—Magnificent deep golden yellow; absolutely the finest in its color; 5 to 6 feet.

Above varieties at 25c each; \$2.50 per dozen.

Collection of one each above six sorts for \$1.25.



A FINE CLUMP OF COREOPSIS A FEW MONTHS AFTER PLANTING  
A Fair Example of the Blooming Qualities of Our Perennial Plants

**Coreopsis Lanceolata** —Sunny, 2½ feet. One of the finest deep yellow single cut flowers grown. Try a few clumps and your results will be gratifying. Strong roots, 15c each; \$1.25 per dozen.

**Chrysanthemums** —Sunny location; 4 to 5 feet. Everyone admires the wonderful blooms of this favorite flower sold by our local florists. We are sure you can get very good results with limited amount of attention with our strong, well-grown, hardy plants. Ready about May 1st.

### GIANT EXHIBITION JAPANESE TYPES

Pot grown. 20c each; \$2.00 per dozen

**William Turner**—Immense, incurved, pure white.

**Major Bonnaillon**—The very finest incurved, deep yellow.

**Chieftain**—The choicest incurving pink grown.

**Colonel Appleton**—Prize winner everywhere. Golden yellow.

**Harvard**—Brilliant bright crimson.

### POMPONE OR BABY CHRYSANTHEMUMS

Pot grown. 15c each; \$1.50 per dozen.

**Lilian Doty**—Beautiful clear light pink.

**Le'ia**—Attractive deep scarlet bronze.

**Nippon**—White, with primrose shadings at center.

**Golden Beauty**—Very pretty bright deep yellow.

**China's Gold**—Beautiful bronzy yellow, button type.

**Button Rose**—Very fine deep rose, button type.

RESULTS ARE OBTAINED WHEN YOU PLANT OUR NURSERY STOCK

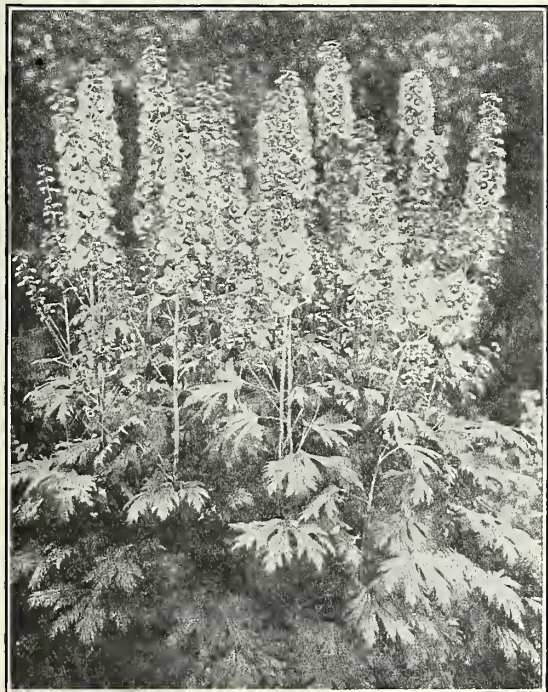
## Hardy Perennial Plants

**Calceolaria** —(Lady's Purse)—Part or full shade, 2½ feet. Popular and easily grown plants of shrubby growth, bearing clusters of brown or yellow flowers that resemble small boxing gloves. Brown or pure yellow, pot grown. 35c each; \$3.50 per dozen.

**Campanula** —Sun or part shade.

**Medium**—(Canterbury Bells)—3 feet. Hardy, free-flowering biennial producing a wonderful display of bell-shaped flowers. Blue, white and rose; extra strong roots. 15c each; \$1.50 dozen.

**Calycanthemum**—(Cup and Saucer)—3 feet. Similar to above, but has a broad rim or saucer around cup-like center. Blue, white and rose; extra strong roots, 20c each; \$2.00 dozen.



OUR DELPHINIUMS WILL BLOOM LIKE THESE IN ONE SEASON

**Delphiniums** —Partial or full shade; 4 to 6 feet. The Perennial Larkspurs are among the grandest of all tall growing plants. Our strain is comprised of the most extraordinary range of blue shades imaginable. Cut back after the first blooms commence to fade and they will blossom a second and third time. Keep soil cultivated and use bone meal as a fertilizer.

**Golden State Blue Hybrids**—5 to 6 feet. Well-balanced mixture of the choicest blues known. Extra large clumps. 25c each; \$2.50 per dozen.

**Belladonna**—4 feet. The freest and most continuous blooming type we grow, never being out of bloom after the first flowers until frost. Beautiful clear turquoise blue. Fine clumps, 35c each; \$3.50 per dozen.

**Erigeron Speciosum** —A summer flowering border plant with mauve-colored single daisy-like flowers, springing from a tuft of leaves; 2 feet tall. Pot grown. 25c each; \$2.50 per dozen.

**Fuchsias** —Part or full shaded; 4 to 6 feet.  
**Phenomenal**—Sepals bright red, double deep purple corolls.  
**Storm King**—Sepals dark red, double white and pink corolls.  
**Elcanor**—Sepals white, single bright pink center.  
**Baby Fuchsia**—Strong upright growth, red flowers, extra strong pots. 50c each; 4 kinds for \$1.75.

**Foxglove** —(Digitalis)—Any location; 6 to 8 feet. Stately old-fashioned flowers dominating the garden with its strong long stalks of beautifully spotted funnel-shaped flowers. Strong roots. 15c each; \$1.25 dozen.

**Gaillardia Grandiflora** —(Blanket Flower)—One of the showiest permanent plants bearing quantities of large single brownish-red and yellow flowers all season; 3 inches across. Fine for cutting; well-established plants. 15c each; \$1.25 per dozen.

**Geraniums** —Any location.

All varieties of free-blooming California Geraniums at 15c each; \$1.50 per dozen; 100 for \$10.00.

**Single Flowering Varieties**—

**Brilliant Scarlet**—Especially choice large trusses.

**Bright Light Pink**—Beautiful delicate color.

**Pure White**—Immense trusses of purest white.

**Rose Pink**—Very distinct bright sort.

**Tall Variegated Foliage**—Best of this type.

**Dwarf Silver Leaf**—Very fine for borders.

**Double Flowering Varieties**—

**Deep Red**—Very compact and free flowering.

**Pure White**—Large trusses of snowy white.

**Rose Pink**—Attractively shaded and large.

**Ivy Leaved or Climbing**—

**Double Bright Pink, Double Salmon Rose, Double Dark Red.**

Exceptionally valuable for covering banks, fences or bedding. Blooms continuously with little attention and very little water.

**Geum** —Mrs. Bradshaw—Sunny; 2 to 2½ feet. Brilliant double red flowers resembling a carnation. Splendid for cutting and useful for borders. Extra strong clumps. 15c each; \$1.25 per dozen.

**Heliotrope** —Part or full shade; 4 to 6 feet. Everyone knows the fragrant, old-fashioned garden favorite, often trellised to down a climber. Deep blue or light blue. Extra strong pots, 40c each.

**Heuchera Sanguinea** —(Coral Bells)—A low-growing plant with heart-shaped leaves, which form a low clump 6 to 8 inches high and bearing during July and August. Loose, graceful sprays of coral-red flowers in great profusion; suitable for the border or rockery and thriving in the shade or in cool places in the sun. Strong plants. 25c each; \$2.50 per dozen.

**Hollyhocks** —Best in sun; 6 to 10 feet. Stately, majestic, hardy plants of easiest culture admired by all. We grow our stock from an especially fine strain.

**Double Flowering**—Rose, yellow, red, white, maroon. Extra fine field-grown roots. 15c each; \$1.50 per dozen.

**Single Flowering**—Rose, black, salmon, white, red. Extra fine field-grown roots. 15c each; \$1.50 per dozen.

**Iris Japanese** —Any location; 2½ to 3 feet. Easily raised, this type of Iris should be very popular when well known. They are ever-green, prefer a moist location, and produce blooms 5 to 7 inches across of remarkably beautiful flowers in the early summer. Imperial Rainbow mixture of many colors, 35c each; 3 for \$1.00.

PERENNIAL PLANTS ARE PERMANENT AND ALWAYS SATISFACTORY

## Hardy Perennial Plants

### Iris Germanica—(Fleur des Lis or Flag Lily).

Orchids in Anyone's Garden—You will agree if you had seen our cut blooms on display at our store this early summer. Smoky blues to the clearest azure blues. Bronzy coppers through deepest yellow to a pale primrose. Royal blues, violets, lavenders, together with the old-fashioned blue and white Common Flag Lilies that everyone knows. Wonderful for borders in sunny or partial shady locations. Plant the crowns just under the surface and about 12 inches apart. Our roots are specially fine and individually grown. Try a few of the new ones and you will be rewarded beyond expectations for many years to come.

"S" refers to the 3-standard or upright curling petals. "F" to falls or drooping petals.



OUR GIANT HARDY IRIS ARE AS BEAUTIFUL AS ORCHIDS

	Each	Dozen
Clarissima—S. soft lavender and F. striped with purple.....	\$0.25	\$2.50
Flavescens—S. and F. beautiful soft light yellow.....	.25	2.50
Florentine Alba—Sweet scented glistening white.....	.20	2.00
Frederick—S. pale lavender; F. lavender barred with brown.....	.20	2.00
Glory de Hillegom—S. and F. beautiful clear light blue.....	.20	2.00
Her Majesty—S. lovely rose pink; F. bright crimson tinged darker shade.....	.25	2.50
Hannibal—S. Gray blue; F. striped rich deep blue.....	.20	2.00
Kochii—S. and F. are a very deep claret. Fine.....	.25	2.50
Pallida Dalmatica—Exquisite shade of lavender blue. Very fine flower.....	30.	3.00
Powhattan—S. reddish mauve; F.....		
Queen of May—Rosy lilac, almost pink.....	.25	2.50
Victory—S. and F. rich dark purple. A regal flower.....	.20	2.00

Above collection of 12 Orchid Iris properly labeled for \$2.35, delivered. Special mixture containing 10 of above varieties. Our selection at \$2.50 per dozen; \$17.50 per 100.

### Lavender Plants—Strong plants, in 4-inch pots. 25c each, \$2.50 per dozen.

### Lotus Peliochornis—A trailing plant with feathery leaves of a silvery hue, producing crimson, wing-shaped flowers in loose clusters; useful for hanging baskets or window boxes. Pot grown. 35c each, \$3.50 per dozen; and 50c each, \$5.00 per dozen.

SPLENDID  
NOVELTY

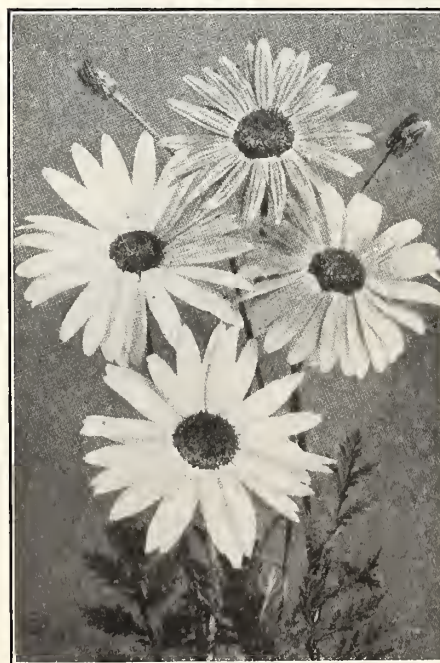


Physostegias are fine for cutting.

### Physostegia—Any location; 4 to 6 feet. One of the most beautiful of our mid-summer flowering perennials, forming dense bushes and bearing very long spikes of delicate tubular flowers closely set on the stem like small Foxgloves. Dainty lavender, pink and white. 25c each; \$2.00 per dozen.

### Poppy Orientale—Full or partial sun; 3 to 3½ feet. Oriental splendor is surely reflected in these magnificent fiery scarlet blooms often 10 inches in diameter. Strong plants. 20c each; \$2.00 per dozen.

### Phlox Hardy Perennial—Warm, sunny; 2½ feet. An old garden favorite, bearing clusters of 30 to 40 small single flowers on long stems in a wide range of colors. Extra fine mixture. 20c each; \$2.00 per dozen.



### Pyrethrum Roseum Hybrids

Any location; 2 to 2½ feet. Grand old-fashioned hardy perennial rewarding the grower with quantities of single, daisy-like, fine cutting flowers in June and several periods later. The fine fern-like foliage is extremely attractive at all times. Strong roots, 15c each; \$1.50 per dozen.

PYRETHEUM

BE SURE TO INCLUDE A FEW ORCHID IRIS IN YOUR PERENNIAL PLANT ORDER

## Hardy Perennial Plants

**Penstemons**—Any location; 2 to 3 feet. This is one of the most useful and showy perennials grown. Especially recommended by us. Beautiful bell and tube shaped flowers, blooming in a wonderful profusion all the year on long spikes like a giant snapdragon. Our collection is the most complete offered. Try them by all means. 1. Beautiful light pink. 2. Soft deep pink. 3. Red, with white throat. 4. Red, striped crimson throat. 5. White, lavender edge. 6. White, pinkish edge. Heavy clumps at 25c each; collection of 6 for \$1.25.

**Peonies**—Herbaceous—Sun or partial; 2½ to 3 feet. To be successful with this old-fashioned garden favorite in California we offer only large, well developed crowns or clumps which we have found to give unusual results. The soil should be mixed with Holland Peat or leaf mould to insure a porous texture and well watered when they are in bloom. Our collection is local grown and especially suitable for California climate. Deep rose pink, Pure white, Brilliant red, Light pink. Strong clumps at 75c each; 4 for \$2.90; 12 for \$7.50.

**Rudebeckia**—(Golden Glow)—Sun; 5 to 6 feet. A well known popular plant of easiest culture and robust growth, producing masses of double golden yellow flowers on long stems resembling somewhat a decorative dahlia. Large clumps 20c each; 6 for \$1.00.

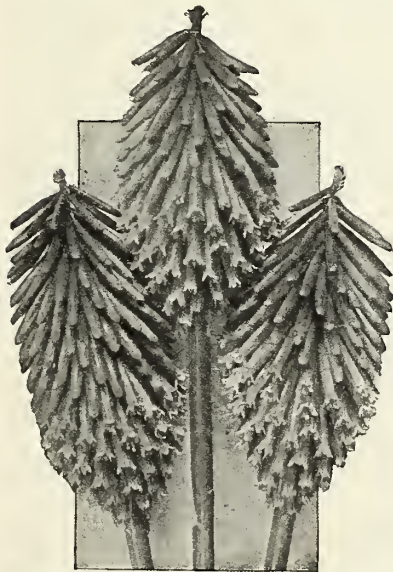
**Romneya Coulteri**—(Calif. Tree Poppy)—Sunny; 5 to 6 feet. This beautiful poppy blossoms the most delicate transparent, tissue paper-like flowers of purest white, often 6 to 8 inches in diameter, set off by a round ball of golden yellow at the center. Plant in well-drained sheltered location. Extra well rooted plants from pots at \$1.25 each.

**Saxifraga**—Shade or any location; 1 foot. Forms masses of handsome broad deep green foliage, made doubly effective by spikes of bright rosy pink flowers throughout the fall and winter. Extra strong plants, 50c each; 3 for \$1.25.

**Scabiosa Caucasica**—Part shade or sun; 2 feet. Beautiful border plant bearing long stemmed clear lavender blue flowers crested at center. Often called Blue Bonnet and sold by the florists, being especially suited for cutting. Blooms June till September. Strong, well grown roots, 15c each; \$1.50 per dozen.

**Stokesia** (Cornflower Aster)—Deep, lavender-blue flowers, 4 inches in diameter. Very free bloomer of the easiest culture. Strong clumps. 25c each; \$2.50 per dozen.

**Sweet William** (Dianthus Barbatus)—An old favorite, hardy perennial plant. All colors mixed. Extra large clumps. 15c each; \$1.25 per dozen.



TRITOMAS MAKE A BLAZE OF COLOR IN THE FALL

Control your garden pests. See our spray section for advice.

**Tritoma**—(Red Hot Poker)—

Any location; 3 to 4 feet. Bold and showy, blooming from August to October. We believe that every garden can use one or more of these brilliant subjects that produce heavy spikes crowned with a head of rich orange-scarlet. Easily grown from our large clumps at 40c each; 3 for \$1.10.

### Thalictrum Dipterocarpum

(Novelty) — All locations; 4 to 5 feet. We have been fortunate in setting aside a considerable number of this rare new hardy perennial for our customers this year. You will be pleased with the graceful airy effect that the tiny inverted pinkish lavender flowers make on its 36-inch stems. The flowers are set off and brightened with exceedingly showy yellow stamens, leaving an indelible impression on your memory. Blooms from July to September. Our clumps are extra heavy at 35c each; 3 for \$1.00.



THALICTRUM

**Valerian** (Centranthus Ruber)—Showy, hardy border plants, producing large corymbs of red or white flowers. They are drought-resisting and remain in bloom for many months; 2 to 3 feet tall. Mixed colors. Field-grown plants. 15c each; \$1.50 per dozen.....

**Violets**—Part or full shade; 6 to 10 inches.  
California Giants—Beautiful deep single blue; used for cutting by florists.

Marie Louise—Double light blue.

Swanley White—Double pure white.

Price, 50c per dozen; \$3.50 per 100.

### ALWAYS INCLUDE PERENNIALS IN YOUR GARDEN PLANTING

Perennial Flowering Plants for garden display, porch boxes or cut flowers for the home, are inexpensive, require little care and will add much to the beauty of your home. We offer fine large plants that will flower freely.

### FEED YOUR PLANTS IF YOU EXPECT RESULTS

We carry all kinds of Fertilizers and Plant Stimulants.

For outside garden work we recommend Gold Bear and Red Eagle Brand Fertilizers. Use at the rate of 5 lbs. to space 10x10 feet. Holland Peat is very valuable to break up heavy soil and put body into sandy soils. For window boxes use Flora Fertilizer. When pot plants look shabby, apply Plant Stimulant or Flora Ferro Stimulant.

# Deciduous Shrubs and Trees

Generally very free-blooming and exceedingly valuable to work in with evergreen foliage shrubs to give variety and seasonal change. Everyone has watched the dormant buds of Winter swell with the coming of a new season. With the first warm days of early Spring comes a remarkable new growth covering the winter bare stems.

As a rule this class is pruned after flowering, particularly the sorts that show from observation to have bloomed on the past season's growth. However, some shrubs and trees throw their flowers on the current season's wood and in this case can be pruned either when dormant or after flowering. Pruning encourages and develops a very dense growth, also keeping the shrub or tree within your specific bounds.

It is advisable to cut back about  $\frac{1}{4}$  of the growth when received—exceptions noted. This insures a quick start and lessens the risk of loss.

**Berberis**—(Barberry)—Any location; 2 to 3 feet.  
Vulgaris—This is the common hardy eastern "Barberry" with holly-like foliage and drooping racemes of yellow flowers, followed by orange-scarlet fruit.

Vulgaris Atropurpurea—Same character with purplish green foliage and purple fruit.

Thunbergii—Makes fine low-growing hedge from 1 to 2½ feet high. Small yellow flowers succeeded by red berries that hang on through winter. Fine specimens of any of the above Berberis at 60c each.

For Evergreen Berberis see page 71.

**Calycanthus**—(Sweet Shrub)—A very attractive fragrance from its wood and peculiar chocolate-colored blossoms should find this shrub more generally planted. 2 to 3-ft. stock, 60c each.

**Caryopteris**—(Blue Spirea)—Any location; 4 to 5 feet. Produces an abundance of lavender-blue flowers in whorls along the whole length of each shoot in the late summer and fall. You will be pleased with this uncommon shrub. 50c and 75c each.

**Corchorus**—(Kerria Japonica)—Part or full sun; 5 to 6 feet. Blossoms are deepest yellow, 1 inch in size, very double and set against the graceful stem in an almost artificial manner. One of the most admired and least known. 3 feet stock at 85c each.

**Deutzia**—Partial sunny. Graceful shrub, with slender branches and effective foliage covered with flowers in long racemes during the early summer.

Gracilis—2 to 2½ feet. Compact or bushy in habit, covered with spikes of pure white flowers.

Crenata—3 to 4 feet. A taller, more vigorous variety, producing double white flowers.

Strong specimens of either kind at 75c each.

**Forsythia**—Part or full sun; 6 feet. Blooms with first days of spring, its delicate clear yellow flowers set in small clusters on long drooping sprays, making it very distinct from all other shrubs. Nice stock at 75c each.

**Lilacs**—Partially sunny location best. One of the most fragrant and indispensable shrubs sold and no garden is complete without at least one Lilac. We are adding a remarkable new class of GIANT BUDDED FRENCH LILACS to our list this season that will generally bloom the first year planted. Do not cut back when planting.

**SINGLE GIANT BUDDED FRENCH LILACS**—

Price, 4 to 5 feet, \$1.25 each.

Charles X.—Loose trusses, reddish purple.

Ludwig Spaeth—Distinct dark purplish-red.

Uncle Tom—Darkest lilac blue known.

Prof. Stockhardt—Large clear lavender.

**DOUBLE GIANT BUDDED FRENCH LILACS**—

Price, 4 to 5 feet, \$1.25 each.

Charles Joly—Dark reddish purple.

President Carnot—Beautiful pale lilac.

Madame Lemoine—Finest double white.

President Grevy—Large purplish blue.

**PERSIAN LILACS**—Purple—Dwarf growing slender graceful branches and narrow leaves.

Price, 4 feet, \$1.25 each.

Common White—Extra strong, 85c each.

Common Purple—Extra strong, 85c each.

**Philadelphus**—(Mock Orange)—Shade or any location; 8 to 10 feet. Very well known as Syringa or Mock Orange.

The single white flowers borne in clusters at the end of every growth are so fragrant one is reminded of orange blossoms. Easily grown in sun or shade. Good healthy bushes at 75c each.

**Pomegranate**—Part or full sun; 10 to 15 feet. A particularly fine shrub of easiest culture. Brilliant double scarlet flowers all through the summer followed by fruit. Foliage glossy and beautiful with ruddy tints on new growth. Sturdy stock, 3 to 4 feet, for 75c each.

**Quince**—(Japanese Flowering)—Partial shade; 4 feet. A favorite old-time shrub profusely set with single brilliant brightest red flowers before the foliage appears in the spring, followed by the most attractive reddish-green foliage. 2 to 3 feet, 75c each; extra bushy are \$1.50 each.

**Snowball**—Any location; 6 to 10 feet. Can be used as a small tree or trimmed as shrub. Produces clusters of 3 or 4 large balls of white flowers in wonderful profusion during May and June. Good sturdy trees, 2½ to 3 feet, are 75c each.

**Snowberry**—Any location; 4 feet. An attractive native shrub, bearing small pink flowers followed by very unique clusters of pure white berries at the end of gracefully bent branches. Bushy stock, 60c each.



**SPIREAS**

A wealth of bloom in the early spring

**Spirea**—Any location; 4 to 5 feet. Every garden should have a specimen or two. We know of no shrub of more graceful growth or so generally satisfactory.

**Van Houttei**—(Single Bridal Wreath)—Most popular sort. Making compact growth and throwing out long sprays of graceful foliage which droops to the ground. Covered with a wealth of small white flowers in April.

**Prunifolia**—(Double Bridal Wreath)—Similar in habit with tiny double rose-shaped blossoms flowering profusely in May.

Bushy stock, 2 to 3 feet, either kind, 75c each.

**Tamarix Africana**—Sunny location; 10 to 15 feet. We often are asked to name this beautiful feathery foliage shrub of slender gracefully drooping growth. Covered with very tiny lavender-pink bloom as fine as a mist during May. Extra large specimens at 75c and \$1.00.



**Weigelia**—Any location; 6 to 8 feet.

Strikingly beautiful when in full flower, and especially valuable for their long blooming period, commencing usually after the lilacs are past. Trumpet-shaped flowers in large clusters about the branches.

**Eva Rathke**—Very free blooming, vigorous and erect grower. The flowers are a rich deep crimson, blooming continuously throughout the summer and fall.

**Rosea**—Standard sort producing beautiful deep pink trumpet-shaped blooms in May and June.

**Variegated**—Handsome variegated green and white foliage with rose-colored flowers. Very distinct.

Healthy strong specimen of any variety at 75c each.

# Hardy Evergreen Trees and Shrubs

We offer good well grown specimens consistent with prices quoted. Experience has taught us the advisability of only cataloging well-established pot grown or field grown stock. Results is what everyone wants and we feel that each value offered below is the best the market affords.

**Acacias**—Sunny locations best; partial, O. K. We recommend Acacias for their fast growing habits. Indispensable for tree specimens and shrubs, flowering well under all conditions. These are the best in our opinion.

**Baileyana**—15 to 20-foot tree. A fine specimen of the same tree with feathery silvery blue-green foliage. Beautiful large clusters of lemon-yellow flowers in January.

Pot grown, 4 feet, \$1.50; 5 feet, \$1.75 each.

**Cultiformis**—6 to 8-foot shrub. Generally trimmed to form a shrub. Three-cornered small foliage. Deep yellow flowers, blooming for a long period.

Pot grown, bushy plants, 75c each; 3 for \$2.00.

**Latifolia**—20 to 25-foot tree or 4 to 8-foot shrub. Often used as sidewalk tree and can be trimmed to form a dense hedge. Long, glossy deep green leaves.

Pot grown, 4 feet, 75c; 5 feet, \$1.00 each.

**Melanoxylon**—(Blackwood Tree)—30 to 60-foot tree. Especially recommended as a sidewalk or park specimen. Fast and vigorous in growth. Can be trimmed to form fine specimens.

Pot grown, 4 feet, 85c; 6 feet, \$1.50 each.

**Mollissima**—30 to 50-foot tree. One of the finest with dark green feathery foliage and large racemes of deep golden yellow flowers so popular in January.

Pot grown, 4 feet, 85c; 5 feet, \$1.25 each.

**Armata**—8 to 10-foot shrub. Of dense spreading habit, somewhat thorny with small deep green foliage and yellow flowers.

Pot grown, bushy plants, 75c each; 3 for \$2.00.

**Retinoides Floribunda**—A rapid-growing tree of pendulous habit, with long, narrow foliage; flowers come in racemes of bright yellow, blooming for a long period; useful for avenue and street planting. 5-inch pots, 3 feet, 60c each; \$5.50 per 10. 5-inch pots, 3½ to 4 feet, 75c each; \$6.50 per 10.

**Verticillata**—A spreading shrub with fine needle-like leaves; flowers deep yellow. Fine for grouping. 5-inch pots, 2 to 3 feet, 60c each; \$5.50 per 10. 5-inch pots, 3 to 4 feet, 75c each; \$6.50 per 10.

**Aucuba**—(Gold Dust Tree)—Partial or full shade; 5 feet. Handsome yellow spotted large foliage pot plant or outdoor small shrub often producing large bright scarlet berries in fall. Fine for indoor or porch decoration. Strong pots, \$1.00 and \$1.50.

**Auricularia Excelsa**—(Norfolk Island Pine)—30 to 50 feet. A handsome specimen tree for lawns that grows perfectly pyramidal. Soft dark green foliage branching in regular whorls at several feet intervals. \$2.00 and \$3.00 each.

**Imbricata**—(Monkey Puzzle Tree)—30 to 50 feet. Also perfect pyramidal. Foliage very prickly and sharp formed on round spikes as thick as a wrist. Good specimens are \$2.00 and \$3.00 each.

**Brooms**—(Cytisus)—Sunny or partial. Free flowering ornamental shrubs that are especially drought-resistant, thriving everywhere on any kind of soil.

**Spanish**—8 to 10 feet. Round upright growth. Deep yellow pea-shaped flowers in wonderful profusion during spring and summer months on long drooping round leafless branches. 5-inch pots, 1 to 1½ feet, 50c each; \$6.50 per 10. 7-inch pots, 4 feet, \$1.00 each.

**Scotch**—6 to 8 feet. Of same habit but of somewhat leafy growth and rough edged branches. Beautiful yellow flowers. 50c and 75c each.

**Andreana**—6 to 8 feet. Similar to Scotch, but distinctly rare and effective because of its golden-yellow flowers with purplish-crimson wings. 75c and \$1.00 each.

**White Portugal**—4 to 6 feet. The Portuguese white broom is very effective and distinguished by its masses of white pea-shaped flowers. Very bushy plants. 75c and \$1.00 each.

**Berberis**—(Evergreen Barberry)—Partial or full shade.

**Darwinii**—3 to 4 feet. A densely branched and spreading shrub with small holly-like leaves, fragrant orange-yellow flowers followed by purple fruit. 75c and \$1.00.

For other varieties see page 70.

**Bamboo**—Partial or full sun; 8 to 10 feet. Aurea. Slender, graceful shoots with narrow delicate foliage and of rather bushy growth. The best and easiest of the Bamboos to grow. Extra heavy clumps at 75c and \$1.00.

**Callistemon**—(Bottle Brush)—Part or full sun. A very effective shrub with deep red flowers resembling that household necessity, the bottle brush. Drought resisting. 75c and \$1.00 each.

**Cedrus**—(Cedar)—Any location.

**Deodora**, Indian or Himalayan—40 to 60 feet. Handsome drooping pyramidal growth with beautiful silvery-green foliage. One of the finest lawn specimens we know of and very popular. Potted, 1½ feet. \$1.50 each. Other varieties upon application, or send in sample.

**Buddleia**—Part or sunny; 6 to 10 feet.

**Variabilis Magnifica**—(Butterfly Shrub)

(Summer Lilac)—One

of the most desirable shrubs, beginning to bloom in July and on till cut by frost. The flowers are a pleasing violet-mauve and borne in dense cylindrical spikes 10 to 15 inches in length. Always admired and especially recommended by us. Strong plants at 50c, 75c and \$1.00 each.

**Globosa**—4 to 6 feet.

Ball shaped orange-yellow blooms about ½ inch in size in clusters at the end of the branches. Trimming forms dense pretty growth. Extra strong plants 75c and \$1.00 each.



BUDDLEIA VARIABILIS  
THE 'BUTTERFLY SHRUB'

## HERE ARE SOME BEAUTIFUL BERRY SHRUBS

**Cotoneaster**—Any location. Highly ornamental shrubs with orange or red berries decorating its artistic foliage for many months. By all means consider this valuable group for your planting scheme.

**Microphylla**—Any location; 6 to 8 inches. Splendid for low walls, rock work, terraces, etc. Foliage is small, of a deep green and in fall is covered with bright red berries that remain for a long period extra strong plants. 75c and \$1.00 each.

**Horizontalis**—Any location; 1½ to 2 feet. Useful for same purposes as Microphylla and especially suitable as single specimen in tubs. Partially deciduous. Small pinkish-white flowers. Fine specimens, 75c, \$1.00 and \$2.00.

**Francheti**—Any location; 8 feet. A graceful type of upright growth with shapely overhanging or arching branches. Reverse of leaves are downy. Flowers pink, followed by yellowish-red berries. Potted, 60c; balled, \$2.00.

**Pannosa**—Any location; 10 feet. A fine shrub of upright growth. Long slender arching branches covered with scarlet berries in the fall. Deep green leaves, reverse silver colored. Potted, 75c, \$1.00 and \$1.50 each.

**Crataegus**—(Burning Bush)—Any location. These comprise the larger and most showy of the beautiful berry shrubs. All are extra strong, healthy growers and should have a place in every garden.

**Pyraeantha Lalandi**—20 feet. A thick thorny shrub with small glossy deep green leaves, producing quantities of small white flowers succeeded by masses of brilliant orange berries. Potted, \$1.00 and \$1.25 each; heavy stock at \$1.50 each.

**Pyraeantha Crenulata**—10 feet. Of very dense habit and one of the best. Berries are deep scarlet produced during August in large clusters. masses of brilliant orange berries. Potted, 75c each; large specimens at \$1.00, \$1.50 and \$2.00 each.

**Pyraeantha Augustifolia**—8 to 10 feet. This is our favorite of the berry shrubs. Covered with large clusters of flattened orange-yellow berries throughout the winter. Leaves are long and narrow, deep green with gray undersides. Be sure to include one in your garden. Strong specimens, 75c, \$1.25, \$1.50 and \$2.00 each.

# Hardy Evergreen Trees and Shrubs



CHOISYA TERNATA

**Choisya Ternata**—(Mexican Orange)—Any location; 5 to 8 feet. Its healthy glossy dark green foliage enhanced by clusters of very sweet orange blossom, fragrant white flowers at the end of every branch throughout the year. Very desirable for hedges or single specimens. Potted plants, 75c each; large specimens, \$1.50 each.

**Coprosma**—Any location.

**Baueriana**—4 to 8 feet. Very glossy deep green rounded leaves. Can be trained as a wall covering or a specimen shrub. This is very often planted in the bay counties. Strong stock at 60c or 75c each. Extra bushy at \$1.25 each.

**Cypress**—Italian—(Pyramidalis)—Impressive, dignified and very formal describes this tall, tapering Cypress, chiefly used in formal landscaping. However, any home can use a pair to advantage for entrances or to relieve a bare wall. 3 feet, \$1.50 each; 4 feet, \$3.50 each; 5 feet, \$5.00 each; 6 feet, \$6.00.

**Monterey**—(Macrocarpa)—Very extensively planted as the common California Cypress. Drought resistant. Makes a wonderful fast-growing hedge or windbreak. Transplanted from flats, \$3.50 per 100; pots 2 feet, 30c each, \$2.50 per 10, \$20.00 per 100; pots, 3 feet, 40c each, \$3.50 per 10, \$30.00 per 100.

**Diosma**—(Breath of Heaven)—Any location; 3 to 5 feet. Found in nearly every old-fashioned garden. Cherished for its wonderful refreshing sharp fragrance, accentuated by crushing its foliage. The little white starry flowers come in wonderful profusion for a long season. Bushy plants at 50c, 75c and \$1.00 each.

**Escallonia**—Any location. Anyone can get fine results with these hardy evergreen shrubs, producing large terminal sprays of flowers all summer. The foliage is especially clean and glossy in appearance.

**Bertiana White**—8 to 10 feet. Very free flowering and of erect growth. The terminals gracefully bending when in full flower. Extra bushy stock, 75c each.

**Rosea**—6 to 8 feet. Beautiful soft pink. Very handsome. Extra strong plants, 75c each.

**Rubra**—4 to 6 feet. Very deep red and of very compact growth. Extra strong plants, 75c each.

**Eugenia**—Any location; 8 to 10 feet.

**Myrtifolia**—One of the most beautiful compact foliage trees of very neat growth. Old foliage is deep green and new leaves have reddish-brown cast. Creamy white flowers followed by purple berries. Good specimens at \$1.00 and \$1.50 each.

**Euonymus**—Shade or any location; 4 to 8 feet. Is favorably known and planted around the bay, possessing deep very glossy green leaves, trimming up to any desirable shape. Suitable for single specimens or hedges. 75c and \$1.00 each.

**Eucalyptus**—Any location.

**Globulus**—(Blue Gum)—50 to 150 feet. The most generally planted of the "Gums" because of its extremely rapid growth and hardness. Transplanted in boxes of about 100 plants for \$2.75, 10 boxes for \$22.50; pot grown, 3-inch pots, 2 to 3 feet, 30c each, \$2.50 per 10; 3 to 4 feet at 50c, 10 for \$4.50.

**Ficifolia**—(Scarlet Flowering)—20 to 30 feet. Brilliant scarlet flowers in large clusters, set off by heavy large leathery leaves. Hardy only in sections not affected by heavy frosts. Pot grown, \$1.25 and \$2.00 each.

**Rostrata**—(Red Gum)—75 to 150 feet. Outgrows any other varieties in the interior valleys. Transplanted in boxes, \$5.00 per 100; potted, 3 to 4 feet, 75c each.

**Genista**—Sun or partial; 3 to 5 feet.

**Fragrans**—One of our most popular and freest flowering small shrubs. Its yellow pea-shaped flowers blossom under most adverse conditions all year. Strong bushy pots at 75c, \$1.00 and \$1.50 each.

**Grevillea Robusta**—(Australian Silk Oak)—40 to 60 feet. Very graceful fernlike-foliaged evergreen tree of rapid growth. Covered with bronzy yellow flowers in early summer. Attractive and very uncommon. 3 to 4 feet, \$1.00 each.

**Grevillea Thelemanniana**—Australia. 5 feet. Beautiful evergreen shrubs having fine feathery foliage and producing throughout the summer, clusters of brilliant scarlet flowers, borne on the ends of the branches. 1 to 1½ feet, 75c, and 1½ to 2 feet, \$1.00.

**Heather**—(Ericas)—Part or full shade; 3 to 4 feet. Heathers do exceedingly well about the bay, particularly in our fog belts. We have especially fine stocks at very good values.

**Mediterranean**—(Bright Pink)—3 to 4 feet. This is the most popular variety. Very compact and regular growth, producing deep bright lavender pink flowers in the early and late spring. Sturdy potted plants at 50c and 75c; balled, extra bushy, \$1.00 and \$1.50 each.

**Melananthera**—(Delicate Light Pink)—3 to 4 feet. Of more graceful and airy effect, yet compact in growth. Flowers are a very delicate lavender pink produced on long handsome sprays. Splendid for cutting. Pots at 75c each; balled, extra bushy, \$1.00 and \$1.50 each.

**Triumphans**—(Pure White)—3 to 4 feet. Similar to Melananthera, with very tiny pure white flowers. Strong potted plants at \$1.00 each.

**Holly**—(European or English)—The original Christmas berry sort, with bright lustrous foliage and sharp thorns carrying the beautiful bright scarlet berries during the holidays. Nicely shaped specimens, 1 to 1½ feet, \$1.50; 2 to 2½ feet, \$2.50 each; very large, \$5.00 and \$7.50 each.

**Hydrangea Hortensis**—Part or full shade; 4 to 5 feet. The well-known large-leaved variety with huge heads of lavender pink flowers all summer. Strong plants for 40c, 50c, 75c, and \$1.50 each.

**Hypericum Moserianum**—Part or full shade; 16 inches. Splendid border or bedding plants



HYPERICUM OR GOLD FLOWER

of low, shrubby growth, covered most of the year with single golden yellow flowers 2½ inches in size, conspicuously set off by many long yellow stamens tipped brownish red. 4-inch pots, 35c each, \$3.00 per 10; 5-inch pots, 50c each, \$4.00 per 10. Very fine bushy specimens at 75c and \$1.00 each.

## Hardy Evergreen Trees and Shrubs

**Lauristinus**—Any location; 6 to 10 feet. One of the hedge shrubs, covered in the spring and winter with masses of reddish buds which open pure white. Can be trimmed to any shape. Deep green leaves are always bright. 4-inch pots, 1 foot, 40c each, \$3.50 per 10. Balled, bushy, 9 to 12 inches, 75c each, \$6.50 per 10.

**Leonotis**—(Lion's Tail)—Sunny, 6 feet. Bright orange flowers are borne in whorls around the branches during the summer and fall. Very unique and easily cultivated. Strong plants at 50c and 75c each.

**Myrtle**—(Myrtus Communis)—A beautiful glossy green shrub of very dense growth, producing small fragrant single white flowers throughout the summer. Potted plants at 50c, 75c, and \$1.25 each.

**Oleanders**—Sunny; 10 to 15 feet. Grows to perfection in the warmer sections of the bay counties and our interior valleys. Long narrow deep green foliage and a wonderful profusion of fragrant flowers in large clusters. Double, pink or red, 3 feet, at \$1.50 each; 2 feet, \$1.00 each.

**Palms**—We have fine specimens of the best varieties at all times. In our estimation Palms are among the most satisfactory shrubs for planting in any location in this vicinity.

**Dracaena**—(Dragon Palm)—15 to 20 feet. Very long, narrow, spear-shaped leaves, set closely in large compact bunches crowning a long straight clean trunk. Very desirable for sidewalk use. Potted plants, 1½ to 2 feet, \$1.25 each; balled, 2½ to 3 feet, \$1.50 each.

**Chamaerops Excelsa**—15 to 25 feet. Fan-shaped, very dark green leaves. Trunk becomes very hairy and black as the palms get older. Very symmetrical and satisfactory for sidewalk curb use. Balled, 1½ feet, \$2.00; 2½ feet, \$3.00.

**Phoenix Canariensis**—(Date Palm)—25 to 40 feet. This is the commonly used variety with long drooping or arching branches radiating from its barrel-shaped trunk. Semi-tropical and majestic in appearance, we are pleased to recommend this sort. Very hardy. Specimens at \$1.00, \$1.50, \$2.50 and \$5.00. Approximately \$1.00 per foot.

**Washingtonia Filifera**—40 to 80 feet. Very handsome, large, fan-shaped leaves, the true California Fan Palm. The leaves are of a light green with tiny thread-like filaments in evidence. Balled specimens at \$1.50, \$2.50 and \$4.00. Approximately \$1.00 per foot.

**Pepper Tree**—A popular shade and ornamental tree, with fine, leathery foliage, producing clusters of reddish berries in the fall; fine for street or avenue planting; 3½ to 4 feet, sturdy stock. \$1.00 each, \$9.00 per 10; 75c each, \$6.50 per 10.

**Photinia**—Arbutifolia (Christmas or Toyon Berry)—A native evergreen shrub loaded with brilliant red berries in the winter, 5-inch pots, 1 to 1½ feet, 75c each. Large specimens are \$1.25, \$1.50 and \$2.00 each.

**Pines**—Any location.

**Monterey or Common**—40 to 60-foot tree; 6- to 10-foot hedge. The most useful pine for windbreaks or dense hedge work and very ornamental as a single specimen. Transplanted from flats, \$7.50 per 100; potted, 3 to 4 feet, \$1.00 each.

**Pittisporum**—Hedge; 4 to 6 feet.

**Nigricans**—Small-foliaged sort with black stems. Exceedingly fine for hedges or windbreaks. Transplanted from flats at 75c per dozen; \$5.00 per 100. 4-inch pots, 1 foot, 30c each, \$2.50 per 10, \$20.00 per 100. 5-inch, 1½ feet, bushy, 50c each, \$4.00 per 10, \$35.00 per 100. 7-inch pots, extra bushy, 75c each, \$6.50 per 10.

**Eugenioides**—Large, glossy, crinkled, yellowish green leaves; a very effective shrub, and excellent for hedges or windbreaks. Transplanted from flats at 75c per dozen; \$5.00 per 100. Strong potted plants at 50c each, \$4.50 per 10.

**Polygala Dalmaisiana**—A profuse flowering shrub with purple pea-blossom-shaped flowers and pretty light green foliage. 5-inch pot, 1½ feet, 75c each, \$6.50 per 10.

**Privet**—(Ligustrum Ovaliflorum)—Any location; 4 to 6 feet.

**California Privet**—4 to 6 feet. Without question, we will recommend this wonderfully fast growing deep green shrub for hedge purposes. Drought resisting, thriving under adverse conditions, we are enthusiastic over the many satisfactory reports we have from our customers. We have an especially fine stock to offer this season, 3½ to 4 feet, at 25c each, \$2.00 for 10, \$15.00 per 100. Set these out about 18 to 24 inches apart for immediate results.

**Golden or Yellow Privet**—4 to 6 feet. Identical except for its beautiful yellow foliage. 50c and 75c each. Write for quantity price.

**Raphiolepis Japonica**—Handsome compact shrub of low growth. Leaves of medium size, rounded, leathery, very dark, but lustrous green. Flowers white and fragrant in early spring, followed by dark blue berries in clusters during winter. 6-inch pots, 60c each, \$5.00 per 10.

**Rhododendrons**—Partial shade; 6 to 10 feet. We have access to a fine collection of these remarkably beautiful evergreen shrubs, producing large tight heads of single bell-shaped flowers in many orchid and solid colors. Choice specimens from \$4.00 to \$10.00 each.

**Sequoia Sempervirens**—(Redwood)—150 feet. Our common Coast Redwood is very ornamental and easily established from our potted stock. We do not hesitate in recommending it as one of the very best for specimen or avenue planting. Specimens, 75c, \$1.00, and \$1.50 each.

**Sequoia Gigantea**—(Calif. Big Tree)—200 to 300 feet. The famous Big Tree Groves are known the world over, predeceasing the Glacial Period. Makes a very handsome pyramidal growth. Specimens, 2½ to 3 feet for \$2.00 each.

**Strawberry Tree**—(Arbutus Unedo)—Large red fruits, similar in size and shape of a strawberry, succeeding the pretty single white flowers during the winter. Makes an attractive, well-branched shrub with handsome deep green foliage as well as fruiting. Strong potted stock, 1 to 1½ feet, \$1.00 each.

**Veronica**—Every location. Extremely valuable glossy foliage shrubs and very generally planted everywhere. The bottle-brush-shaped flowers are produced at all seasons.

**Decussata**—3 to 4 feet. Flowers large, violet blue. Leaves medium sized and closely set. Rather dwarf and very dense growth. Fine for bedding and makes beautiful low hedge. Potted, 1 foot, 35c each; specimens, 50c, 75c and \$1.00 each.

**Imperialis**—4 to 5 feet. Large deep red spikes and deep green foliage with purple shadings. Strong grower and very handsome. Specimens at 50c, 75c and \$1.00 each.

**Variegata**—5 to 6 feet. Very attractive by its large, glossy, conspicuously variegated green and creamy white foliage. Flowers are a beautiful lavender blue. One of the best variegated shrubs. Fine specimens at 50c, 75c, and \$1.00 each.

## Landscape Department

We shall be pleased to co-operate with you in laying your garden, no matter if it be only a vine to cover an unsightly fence. We are in a position to offer expert advice on a large or small extent. Send in your own ideas and suggestions. We will be pleased to incorporate them in any arrangements you may entrust with us. Tell us your requirements and we will send you our suggestions.

**BE SURE TO NOTE:** Approximate space to be planted; the location (windy or sheltered); exposure (example, garden faces west); how many hours of sun; and last, but very important, how much you wish to expend for the improvement.

PERMANENT PLANTINGS REQUIRE THE BEST STOCK GROWN. WE HAVE IT

## Deciduous Shade and Ornamental Trees

Are indispensable in the interior part of our state. However, they should be more generally planted in the bay regions for the wonderful effect and complete change they give to a landscape in a few years. In our estimation the following varieties are best suited for this vicinity:

### ERECT SHAPE OR GROWTH

**Birch**—(Erect Type)—European White; 35 to 40 feet. A rapid-growing slender tree with silvery white bark and drooping branches, 6 to 7 feet. \$1.50 each, 10 for \$13.50.

**Beech**—(Purple Leaved)—40 to 60 feet. A most beautiful tree with deep purple foliage in the spring, changing to deep crimson in the fall. Good specimens at \$2.50 and \$4.00 each.

**Elm**—80 to 100 feet. Magnificent large tree with drooping spreading branches. Large leaved and rapid growth; 6 to 8 feet. \$1.50 each.

**Hawthorns**—Any location; 15 feet. Very free flowing spring blooming trees covered with clusters of small rose-shaped flowers produced on long sprays. Fine for cutting. Do not cut back when planting.

Double White—When opening tinged light pink.

Double Bright Pink—Beautiful soft rose pink.

Double Bright Scarlet—Especially brilliant color.

2-year-old, 5 to 6 feet, \$2.00 each.

3-year-old, 6 to 8 feet, \$2.50 each.

Immediate results. Guaranteed to flower the season planted.

**Linden or Basswood**—60 feet. A rapid-growing, large-sized tree forming a broad, round-topped crown. Large oval leaves and fragrant creamy-white flowers; 6 feet. \$1.25.

**Locust**—40 to 50 feet. Strong growing trees with deep cut foliage, bearing drooping clusters of flowers that are very fragrant. Pink flowering, 6 to 8 feet. \$1.50 each.

**Maples**—Silver or soft. 75 to 100 feet. Strong, rapid grower. Bark is light colored and smooth. Leaves are a beautiful green on the upper side and silver underneath; 6 feet. \$1.00 each.

**Norway**—75 to 90 feet. Large and handsome, compact growth. Fine deep green foliage; 6 feet. \$1.50 each.

**Mountain Ash**—Any location; 10 feet. A favorite small tree or shrub bearing large orange-red berries the size of a cherry, with deeply cut foliage like a pepper tree. Beautifully decorative and highly recommended by us. Extra large stock to give immediate results. 3 years old, \$2.00 each; 2 years old, \$1.25 each.

**Poplar**—(Lombardy)—Very upright in habit. Strong vigorous grower. Originated in Lombardy, Italy. 8 feet, \$1.00; 9 feet, well branched, \$2.00 each.

**Balm of Gilead**—60 to 80 feet. Handsome tall tree with spreading branches. Of very rapid growth. Large heart-shaped green leaves. 6 to 8 feet, \$1.50 each.

**Sycamore**—One of the best street types. Of spreading habit, forming a nice crown. Large dark green foliage, 6 to 8 feet, \$1.25 each.

**Walnut**—(Juglans)—60 to 80 feet. The common black walnut makes a most beautiful tree. Gracefully cut foliage of bright green. Strong trees at 75c each and \$1.00 each.

### WEeping OR DROOPING HABITS

**Birch**—(Cut-leaved, Weeping)—40 to 50 feet. Has silvery white bark and slender drooping branches with deep cut foliage. 6 to 8 feet, \$2.00 each.

**Cherry Weeping**—8 feet. One of the handsomest of all ornamentals. Flowering very freely at "Cherry time," exciting admiration because of its unique weeping habit. Rare and scarce; 4 to 5 feet. \$4.00 each.

**Willow Weeping**—40 to 50 feet. Best known of all weeping trees. Requires a moist location. Of very easy growth. 3 to 4 feet, 75c each; 4 to 5 feet, \$1.00 each.

**Mulberry Tea's Weeping**—10 to 12 feet. One of the most beautiful weeping trees. Its slender branches drooping to the ground from a crown that soon becomes high enough to walk under. Specimens at \$4.00 each.

### FLOWERING AND ORNAMENTAL FRUIT TREES

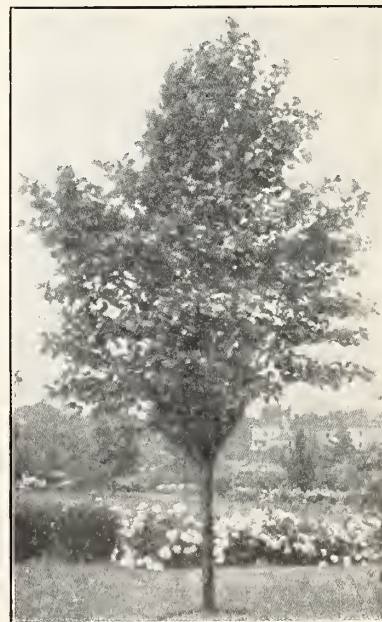
**Almond**—10 feet. First tree to bloom in spring, flowering before the foliage arrives. Very beautiful double pink flowers in profusion. \$1.00 each.

**Crabapple**—(Bethell's)—10 feet. Flowers are deep purplish red in bud, opening to a very beautiful semi-double, clear shell pink. A good robust grower. Extra well branched. 4 to 5 feet, \$1.75 each.

**Cherry**—10 feet. Very large clusters of double rose-shaped white flowers before leaves appear. Strong 4- to 5-foot trees at \$2.50 each.

**Peach**—10 to 15 feet. Covered with wonderful masses of peach blossoms during April before the leaves appear. Double white, double pink, double red. 5 to 6 feet, \$2.00 each.

**Plum**—(Crimson-leaved)—15 to 20 feet. New foliage is bright crimson, turning to dark purple, and remaining this color until they drop in the fall. 4 to 6 feet, \$1.25.



SYCAMORE SHADE TREE

### A SPECIAL CURATIVE AND PREVENTIVE SPRAY TO CURE SICK TREES

Use Qua Sul, the remarkable new spray for curing and preventing Oak Fungus, Brown Rot, Gummosis, Sour Sap, and other fungus troubles. See page 54.

THE ABOVE TREES ARE SHIPPED BY EXPRESS OR FREIGHT AT CUSTOMER'S EXPENSE

## Our Selection of the Best Hardy Climbing Vines

Climbing and trailing plants are quite as essential to a good scheme of garden planting as palms and roses. Indeed, they lend a charming appearance to what would otherwise be more or less offensive to one's sense of the beautiful. Appreciating this, we have here enumerated a most useful and ornamental selection especially suitable for covering pergolas, arbors, porches, walls, banks, festooning pillars, etc.



Bougainvilleas are Especially  
Fast, Brilliant Climbers.

**Ampelopsis Quinquefolia**—(Virginia Creeper)—Large green foliage, changing to brilliant scarlet in the fall and later dropping the leaves. Requires some support to trail properly. Field grown plants, 50c each, \$4.00 per 10, and 75c each, \$6.00 per 10, according to size.

**Veitchi**—(Japan or Boston Ivy)—A graceful clinging vine useful for covering walls, chimneys and stone work. The leaves change from green in summer to gorgeous tints of scarlet and yellow in the autumn, and for a time in the winter season is leafless. 50c each, \$4.00 per 10; 60c each, \$5.00 per 10; and 75c each, \$6.00 per 10, according to size.

**Australian Pea Vine**—A very fast-growing evergreen climber which we can recommend to those desiring a rapid grower. The flowers are pea-shaped pink and produced in great abundance. Strong pot-grown plants, 35c each, \$3.00 per 10.

**Bignonia**—(Trumpet Flower)—A beautiful climbing plant bearing long, tubular flowers; blood red, yellow at the base. One of the finest of the species. Pot grown, 75c, \$1.00 and \$1.25 each.

**Grandiflora**—Common bright scarlet. Extra strong, potted, 75c each.

**Bougainvillea**—Brazilensis—One of the showiest plants in cultivation. Bears a mass of brilliant reddish-purple flowers, against a background of bright green leaves. A wonderful vine. Strong plants 75c, \$1.00 and \$2.00 each.

**Clematis**—Exceptionally free flowering, strong growing, hardy climbers of unusual beauty.

**Paniculata**—Freest flowering with small starry flowers about an inch in size. Strong potted stock at 75c each.

**Montana**—Larger single white flowers. Strong plants at 75c each.

**Clianthus Puniceus**—(Parrot's Bill)—Very odd orange-scarlet flowers with fern-like foliage. 75c each.

**Ficus Repens**—(Climbing Fig)—The best evergreen vine for covering stone, brick or wood; clings close like ivy. Leaves small, deep green. Potted, strong plants, 75c each, \$6.50 per 10.

### CLIMBING ROSES

Vines are primarily expected to provide leaf covering for bare walls and other surfaces, but at certain seasons their function is splendidly increased by masses of bloom. Although separately classed and handled, the many beautiful types of Hardy Climbing Roses are acquiring prominence as an auxiliary to other vines; their clustered flowers bridging the gaps of early summer, with an extravagance of brilliant colors. Consult our extensive lists on page 76.

**Chinese Cinnamon Vines**—Cinnamon Vines are the most desirable, easiest grown climbers in the world. They are from China—the land of wonders. Their abundant blossoms perfume the air for a long distance. No words can describe their delicious fragrance. Perfectly hardy—thriving in all soils, in sun or shade, wet or dry. No insects, blight or disease of any kind ever troubles them, no winter harms. Once planted they will grow a lifetime. They will quickly climb 30 feet or more, and surround your windows and cover your porches, walks, etc., with a mass of vines—covered with pretty heart-shaped leaves and a profusion of dainty, white, sweet-scented flowers, making them perfect “Bowers of Beauty.” No lover of the beautiful should miss planting Cinnamon Vines. They have a charm unknown to all other climbers. Roots, 15c each, 6 for 80c, 12 for \$1.50. Plant 12 inches apart for permanent screen.

**Hedera Helix**—“English Ivy”—Too well known to need description; nothing is better for a permanent covering of green than the English Ivy. Strong plants, 50c each, \$4.00 per 10; 35c each, \$3.00 for 10 plants.

**Helix Variegata**—“Variegated English Ivy”—Center of leaves light and dark green with creamy yellow margin. 75c each, 10 for \$6.50.

**Helix Hibernica**—“Irish Ivy”—Similar to the English, with similar leaves. Strong plants, 50c each, \$4.00 per 10; 35c each, \$3.00 for 10 plants.

**Honeysuckle**—Hall's Evergreen Japanese—A strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow; very fragrant; a long and continuous bloomer. Our plants are an extra value at 50c each, 6 for \$2.70. Larger size at 75c each, 6 for \$4.20.

**Hops**—(Humulus Lupulus)—One of the very best climbers for covering unsightly places. It is a rapid grower and bears a profusion of seed pods. March delivery. 75c per dozen.

**Jasmine**—An old fashioned climber prized for its delicious fragrance. We can supply strong potted plants of Single Yellow, Double Yellow, Single White Jasmines at 75c each. The 3 kinds for \$2.00.

**Lantana**—(Climbing Verbena)—Very pretty evergreen climbers with verbena-like clusters of flowers in various colors. Orange, Pink, Lavender. Strong potted plants at 40c each, 5 for \$1.40.

**Mattress Vine**—(Muehlenbeckia)—Very small maidenhair fern-like foliage, growing into a very dense growth in a short time. Fine for fence hedges or covering trees or unsightly places quickly. Potted, 40c each, \$3.50 per 10; extra large at 50c each.

**Passion Vine**—(Passiflora)—Very popular rapid growing evergreen climbers, with large fig-shaped bright green leaves and bright colored flowers. Pink—Brilliant bright pink, 60c each. Scarlet—Very intense and brilliant, 60c each. Purple—Fine pleasing shade, 60c each.

**Plumbago Capensis**—Clusters of most beautiful light clear blue. One of the finest, quick-growing dense climbers we grow. Potted, 60c or 75c each.

**Solanum**—(Potato Vine)—Very fast growing vine with star-shaped flowers shading purple at center. Leaves narrow and dark green. Strong plants at 50c each.

**Sollya Heterophylla**—(Australian Blue Bell)—Hardy evergreen climber, producing numerous brilliant blue, bell-shaped flowers one-half inch long. Very graceful. Strong plants at 60c.

**Streptosolon**—(Yellow Heliotrope)—A brilliant climber, suitable for sheltered sunny locations, producing masses of showy orange yellow flowers. Very effective and prized whenever grown. Strong potted plants at 50c, 75c, and \$1.00, according to size.

**Wistaria**—Extremely popular and well-known strong Japanese climbers, producing quantities of long gracefully drooping clusters of flowers in the early spring, resembling long bunches of grapes. Caution—Grafted stock is the only Wistaria guaranteed to flower by nurserymen. We offer grafted plants.

**Chinese Double Purple**—W. chinensis flore pleno)—Long clusters of pale, double, blue flowers. One year old grafted, \$1.50 each.

**Chinese Purple**—(W. chinensis)—Flowers pea-shaped, in pendulous clusters a foot long. One year old grafted, \$1.25 each.

**Multijuga alba**—(Loose-clustered Wistaria)—Japanese. Flowers white, fragrant, in long racemes. One year old grafted, \$1.50 each.

**Multijuga Pink**—(Pink-Flowering Wistaria)—Japanese. Same as preceding, but pink flowers; the racemes will average from two to four feet long; very rare. One year old grafted, \$2.00 each.

**Multijuga Purple**—Japanese. Racemes longer and looser than Chinensis; flowers smaller. One year old grafted, \$1.50 each.

If Above Climbing Vines Are To Go By Mail, Please Add Postage at the Rate of 10c Extra for 1 Vine or 25c Extra for 3 Vines

# The Rose Garden

We offer for your approval the finest collection of roses in California.

During the past few years, great strides have been made in the improvement of rose varieties, and we are paying particular attention to the propagation of these newer sorts, as well as to the best of the older roses.

## BUDDED ROSES

Budded roses grow far more vigorously than those on their own root and are longer lived; so that the slight additional expense incurred to begin with, is more than compensated in having superior plants. The only possible objection—claimed by some—is that the plants are apt to sucker. We avoid this by dis-budding the stock, making this possibility nil. As a further preventative we recommend that our customers plant the junction of the bud with the stock two or three inches under ground. If planters will observe to do this, the plant will make a better root system, and all possible difficulty of suckering will be removed.

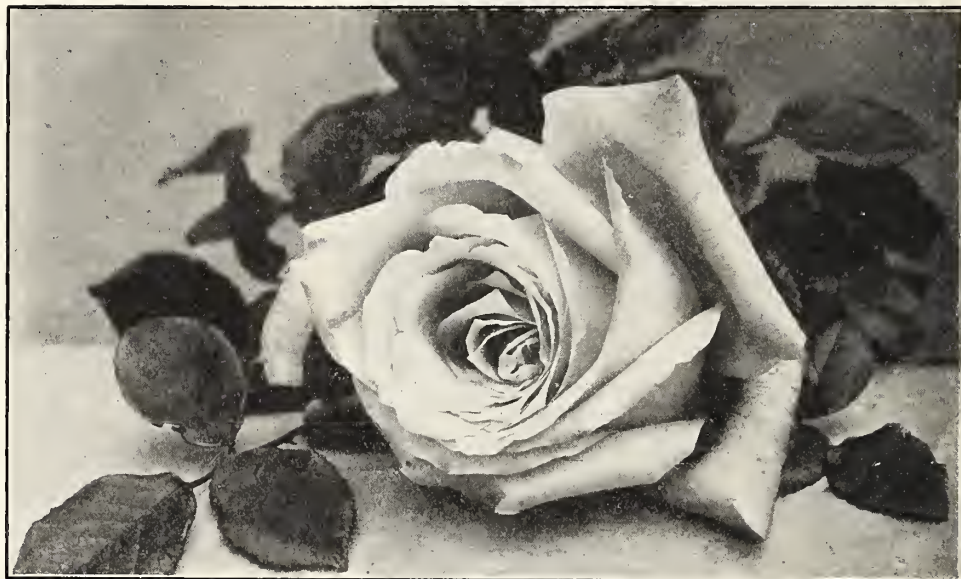
## CULTURE

The rose loves a deep rich heavy soil even inclined to adobe. In such soils the growth is strong and vigorous and the flowers have great substance. But even in a light, sandy soil, roses can be made to grow well and they flower as a rule earlier than in heavy soil. To improve light soils, add clay, Holland peat, or adobe, and use cow manure as a fertilizer rather than horse manure which is more suitable for heavy land.

By our careful system of balling and potting, roses can be planted at any time of the year; but the safest time to plant bare root bushes is from December to March. Both heads and roots of bare-root plants must be cut back before planting and thoroughly soaked with water afterwards. Should the roots appear to be dry on arrival, mix up some soil and water and "puddle" the roots in it for a couple of hours before planting. This closes the pores of the roots temporarily and to some extent prevents loss of sap through evaporation, a most important point. In planting, thoroughly soak the soil down before adding the last or surface soil. This insures every portion of the root being thoroughly covered and prevents cracking of the surface owing to the top soil being loosely placed. Frequent hoeing or cultivating of the surface soil is absolutely necessary, to keep this loose soil or "mulch" on the surface. Especially is it necessary after watering.

On long-distance Express shipments we "ball" the plant out of the pot (unless otherwise ordered), to save customers transportation charges. Roses balled by our method will weigh on the average  $4\frac{1}{2}$  pounds; naked roots 1 to  $1\frac{1}{2}$  pounds. Customers selecting their own roses are respectfully requested to add to the orders a few supplementary varieties, lest, by previous orders, the stock of any particular variety should be exhausted.

Abbreviations: T., means Tea Roses; H. T., means Hybrid Tea; H. P., Hybrid Perpetuals; Pol. Polyantha (Baby Roses); Per., means Pernetiana; N., means Noisette.



## Tree Roses

Tree Roses, known also as Standard Roses, are very imposing when planted among shrubbery and occupy very little ground space.

These Tree Roses are produced by budding on a tall stem about three feet from the ground; the variety desired. We select the most vigorous and hardiest sorts, keeping in view the selection of best colors and most constant bloomers.

Specimens,  $3\frac{1}{2}$  to 4 feet, \$2.00 each, by express.

**BELLE SIEBRECHT**—Bright pink.  
**FRAU KARL DRUSCHKI**—Snow white.  
**GEN. McARTHUR**—Fiery red.  
**HOOSIER BEAUTY**—Dazzling crimson scarlet.  
**IRISH FIREFLAME**—Single old gold and crimson.  
**JULIET**—Old Gold and rosy red.  
**LADY HILLINGDON**—Deep orange yellow.  
**LOS ANGELES**—Flame pink and gold.  
**LYON**—Coral red shaded chrome yellow.  
**MAD CAROLINE TESTOUT**—Silvery rose.  
**MAD EDOUARD HERRIOT (Daily Mail)**—Coral red and yellow.  
**MISS KATE MOULTON**—Clear pink.  
**MRS. AARON WARD**—Indian yellow and salmon.  
**MRS. CHARLES RUSSELL**—Rosy carmine.  
**OPHELIA**—Salmon flesh.  
**PAPA GONTIER**—Rosy crimson.  
**RAINBOW**—Pink striped crimson.  
**SUNBURST**—Cadmium yellow.  
**ULRICH BRUNER**—Cherry red.

## Superb Collection of Finest Hardy Climbing Roses

2 years old—field grown

75c each, postpaid; 6 for \$3.75, postpaid;

Except where noted at \$1.00 each

**AMERICAN PILLAR**—A single-flowering variety of great beauty. The cluster flowers are of large size, 3 to 4 inches across, of a lovely shade of pink, with a clear white eye and cluster of yellow stamens.

**BANKSIA**—Tiny flowers and very double; borne in large clusters. Branches long and thornless. We have either white or yellow.

**BEAUTY OF GLAZENWOOD**—(Misc.)—San Rafael rose. A vigorous fast climber sending forth a mass of bloom in the early spring, being a combination of copper, carmine and salmon yellow.

**CHEROKEE PINK**—A beautiful single rose of a delicate clear pink color. A vigorous climber with glossy dark green leaves.

**CHEROKEE WHITE**—A beautiful pure white rose, large, clear white, single flowers, full of bright yellow stamens, foliage dark rich green.

**CLIMBING AMERICAN BEAUTY**—A new pillar rose of great merit, being a cross between the famous American Beauty and an unnamed hybrid climber. Of very strong habit of growth, producing shoots ten to fifteen feet long in a single season and as hardy as an oak tree. The flowers are three to four inches in diameter, of elegant form and exceedingly fragrant. The color is a rich, rosy crimson of dazzling brilliancy.

**CLIMBING BELLE SIEBRECHT**—(H. T.)—One of the very best climbers in our list. In color it is a solid cerise pink. The flower is beautiful in bud, and when full blown. Very fragrant.

**CLIMBING CAROLINE TESTOUT**—(H. T.)—This most wonderful rose is identical with that most beautiful and very free flowering rose, Madam Caroline Testout, except that it is a very vigorous climber, canes making a growth of 12 feet in a season and an inch through. No garden should be without this magnificent rose. Clear pink.

OUR ROSES ARE MAILED FREE TO FIRST, SECOND, AND THIRD ZONES

## Superb Collection of Finest Hardy Climbing Roses—Continued

**CLIMBING FRAU KARL DRUSCHKI**—This is, without doubt, the grandest of all white climbing roses. It is the first and only pure white hardy, ever-blooming climbing rose and as such, meets a demand that has never before been supplied. It is a strong rapid grower, growing to perfection in open ground, and throwing up numerous shoots 10 to 15 feet high in a single season.

**CLIMBING HOOSIER BEAUTY**—Identical with that superb new bush variety Hoosier Beauty, except that it is a rampant climber. Handsome, rich crimson flowers shaded to black. One of the best ever-blooming climbing roses yet produced. Two-year old plants. Price \$1.00 each.

**CLIMBING KAISERINE A. VICTORIA**—Strong rapid growing climbing form of the popular Kaiserine rose. Fine large ivory white flowers. One of our best climbers.

**CLIMBING GENERAL McARTHUR**—A rapid growing climbing form of that fine red garden rose General McArthur. Fine large buds and flowers in great abundance. Finest bright red climber in existence, and recommended by us. Strong 2-year-old bushes. Price \$1.00 each.

**CLIMBING LA FRANCE**—(H. T.)—A sport from the La France, resembling it in every particular. A strong rapid grower, producing large delicate, silvery-pink flowers in great abundance.

**CLIMBING MLE. CECILE BRUNNER**—(Poly.)—An exact counterpart of the great favorite baby rose of the same name, except that it is a very much stronger grower. Flowers perfectly double, rosy pink, petals in bud daintily reflexed. Delightfully fragrant and in every respect a most exquisite rose. A vigorous climber.

**CLIMBING MAD. ABEL CHATENAY**—A new climbing rose of extraordinary merit. A free-bloomer, with flowers of good size and substance. Color beautiful rosy carmine, with darker shadings. Try this variety by all means. Strong stock at \$1.00 each.

**CLIMBING PERLE DES JARDINS**—(T.)—A strong growing form of its parent Perle des Jardins. In color, it is a deep golden yellow.

**CLIMBING PAPA GONTIER**—(T.)—A vigorous grower with beautifully formed buds. Color rosy crimson. Always in bloom.

**CLIMBING SUNBURST**—A climbing sport of that peer of yellow roses, Sunburst—the much-sought new French rose. A true pillar rose of strong growth, bearing freely; very large cadmium yellow flowers beautiful either in bud or open flower.

**CLIMBING WOOTON**—(H. T.)—Velvety red. Deliciously scented.

**CRIMSON RAMBLER**—Everyone is familiar with its large clusters of crimson flowers.

**DOROTHY PERKINS**—(Wich.)—Clear shell-pink flowers profusely borne in numerous clusters full and double, with crinkled petals. Leaves bright green and very persistent. A grand rose for trellising or for ground work.

**DR. W. VAN FLEET**—A rose, which on account of its dainty color and exquisitely shaped buds and flowers; appeals to everyone. The long pointed buds are of a rich flesh-pink on stems 12 to 18 inches long; splendid for cutting. Price \$1.00 each.

**HIAWATHA**—There is no other climbing rose so brilliant as Hiawatha. A brilliant, ruby-carmine, with a clear white eye and a mass of golden stamens.

**LAMARQUE**—(N.)—The flowers are pure white, sulphur-yellow center; and are borne in large clusters. It is a rampant climber.

**MARECHAL NIEL**—(N.)—A strong, rapid climber that bears beautiful golden yellow buds in great profusion. Has a fragrance that is peculiar to this rose alone.

**PAULS SCARLET CLIMBER**—The flowers of this superb rose are vivid scarlet shaded with bright crimson, and are produced in large clusters of medium-sized semi-double blossoms. The rich color is maintained without burning or fading until the petals fall. Price \$1.00 each.

**GRUSS AN TEPLITZ**—(Bour.)—There is positively no better rose grown for hedge purposes than the Gruss an Teplitz. It is a vigorous grower and when properly trained makes an almost compact hedge. The flowers when first opened are rich dark crimson, changing to velvety fiery red. It is a strong grower and blooms continuously, and is delightfully fragrant.

**SILVER MOON**—Different from all other roses, with beautiful semi-double flowers four and a half inches and over in diameter; pure white in color, petals of great substance, beautifully cupped, forming a Clematis-like flower. The large bunch of yellow stamens in the center adds to its attractiveness.

**TAUSENDSCHOEN OR THOUSAND BEAUTIES**—(Poly.)—Delicate shaded pink, changing to rosy carmine, blooming in very large clusters.

**W. A. RICHARDSON**—(N.)—Beautiful orange-yellow; flowers medium but very showy and distinct.

**SHOWER OF GOLD**—A beautiful new Rambler Rose of the Wichuriana type, the best known of which is Dorothy Perkins. Produces masses of golden yellow flowers at the terminals of all its branches. Perfectly hardy everywhere.

## 5 Superb New Garden and Exhibition Roses for \$10.



The latest introductions which are notable for their distinctiveness and most likely to please the rose-lover who is seeking novelty and variety in his garden and who wishes something newer and better than the other sorts afford.

**CRUSADER**—(H. T.)—Everyone wants the finest red rose that grows. This, in our estimation, is the best to date. Crimson red, brighter in center. Buds large and open perfectly. Flowers large, full, double, borne single on long strong stem. Vigorous upright grower, and should be in every rose garden where only the choicest sorts are desired. \$2.50 each.

**EUREKA**—(H. T.)—Marvelous new bright rose pink. The color is unusually brilliant and clear and is well held in the open flowers which are of good size, beautifully formed both in bud and when open. Bush is of erect growth and throws long, straight strong stems, making it excellent for cutting. Remarkably free bloomer. Is a seedling of Ophelia crossed by an unnamed seedling. Has been thoroughly tested as a garden variety. \$2.50 each.

**GOLDEN EMBLEM**—A grand new Irish rose of ideal habit of growth with holly-like glossy green foliage, each stem bearing a glorious golden-yellow flower of the finest form and remarkable size. In every respect the peer of all yellow roses. Winner of a Silver Medal American Rose Society; also Gold Medal National Rose Society of England. \$2.00 each.

**MISS LOLITA ARMOUR**—A magnificent new rose produced by the same hybridizer who gave us Los Angeles, one of the most popular novelties of the time. In color it is a rich chrome yellow at base of petals shaded to coppery orange. Flowers very large on stout canes. The coloring is wonderful. Winner of the Bagetelle Gardens gold medal, also silver medal of American Rose Society. \$2.50 each.

**MODESTY**—A superb fancy novelty of unusual coloring. Beautiful long pointed buds with prominent outer or guard petals, having a heavy veining of vermillion rose with the remainder of the flower of a pearly cream color. Very distinct in form and color from anything heretofore produced. \$2.00 each.

THE ABOVE 5 SUPERB NEW GARDEN AND EXHIBITION ROSES FOR \$10.00, POSTPAID.

## 5 Glorious Irish Beauties for \$3.75

**IRISH ELEGANCE**—(H. T.)—This is one of the most charming of all the large flowered single roses. The flowers are often five inches across. Its long shaped buds are of a bronzy orange scarlet which assumes an apricot shade as the flowers expand, and is an exquisite rose for indoor decorations. Price 75c each; 6 for \$3.75.

**ISOBEL**—(H. T.)—This is a remarkable new break in single roses. Intensely brilliant shining carmine red shaded orange scarlet. Beautiful beyond description. We are offering this wonderful novelty at a price that will make it popular to everyone. Price \$1.00 each; 6 for \$5.75.

**ULSTER VOLUNTEER**—Large single flowers with shell-like petals produced in great masses. Color bright scarlet shaded to white at base of each petal. A wonderful decorative rose. Price 85c each; 6 for \$4.50.

**IRISH FIREFLAME**—(H. T.)—Single, old gold or coppery yellow flamed with ruddy crimson. Its beautiful buds remain in shape a long time, having great substance. They are borne on long stems. Price 75c each; 6 for \$3.75.

**ULSTER GEM**—A charming single rose with long pointed buds and shell-like petals opening into large single flowers. Color deep primrose yellow with rich boss of prominent anthers. Price 85c each, 6 for \$4.50.

## Our Selection of the Finest Garden Roses Grown

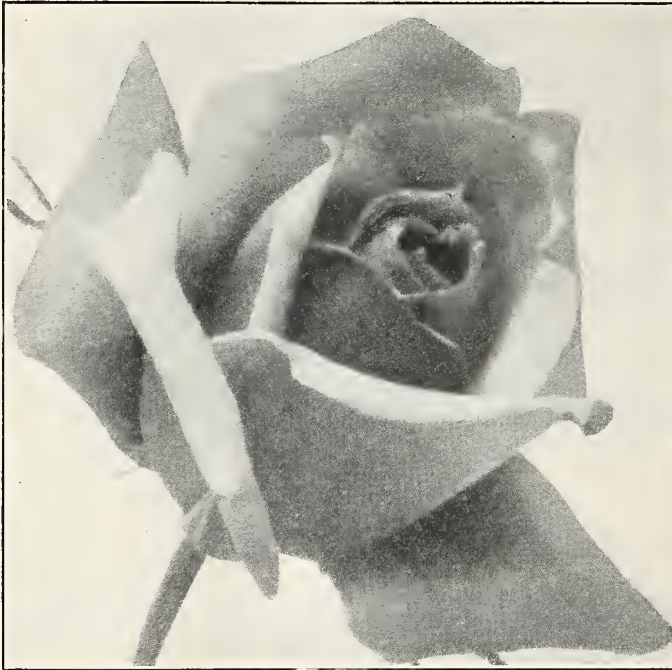
We grow only tried and well-proven varieties suitable for California conditions, selecting the roses because of its beauty of color, habit of growth, and texture of flowers. If your favorite rose is not included, we will be very pleased to make an effort to get it for you.

We sell only top-grade two-year-old Budded Roses that in nearly every instance flower very freely the season planted. Shipped in a dormant condition from about December 15th to about April 1st. Potted stock ready after April 1st for summer plantings.

Six New Choice Roses—Regular \$6.00  
Value for \$5.00 (Postpaid)

**CLEVELAND**—Vigorous stout branching growth with large handsome foliage. Flowers of fine size and form. Color a new shade of old rose heavily flushed with reddish copper with base of petals deep coppery-yellow. An exceptionally beautiful rose that we recommend. Price \$1.00 each.

**LOS ANGELES**—(H. T.)—Produced in California in 1917. Color is luminous flame pink toned with coral and shaded translucent gold at the base of petals. The buds are long and pointed and the rose is intensely fragrant. It is a strong healthy grower, and has good foliage. Price \$1.00 each.



CLEVELAND

**GORGEOUS**—Strong, vigorous, free branching growth; handsome dark olive-green foliage. Flowers very large and full, exquisitely formed, produced freely and continuously on stout erect stems. Copper color, a most striking combination of colors. A very fine bedding rose and an exhibition rose of the first magnitude. Price \$1.00 each.

**H. V. MACHIN**—A splendid new exhibition rose in great demand by exhibitors at the English rose shows where it has made a name for itself because of its grand scarlet crimson flowers of such wonderful size and form. The buds are long and pointed, unusual in a red rose. The foliage is ideal. The flowers have rigid stems of erect growth. We can recommend this as being one of the most beautiful of all red roses. Price \$1.00 each.

**NELLIE PARKER**—Strong, vigorous, upright growing with large handsome dark green foliage. Flowers very large, full and beautifully formed, freely produced. Color pale creamy white shaded and flushed rose at base of petals. Price \$1.00 each.

**QUEEN OF FRAGRANCE**—Fine large pointed buds opening into large well formed flower. Color rose pink with silvery shadings. As its name implies, it is exquisitely fragrant. A fine garden rose. Price \$1.00 each.

## 12 Best Roses of Recent Introduction \$7.50

Every rose in the following list can be recommended by us to be among the finest grown and should be planted extensively if you are planning a rose garden this year. Our specially selected 2-year-old grafted and dis-budded roses (no suckers) insure you fine results this summer. 75c each, 3 for \$2.15, 6 for \$3.85, 12 for \$7.50, 25 for \$15.00, delivered.

**CHEERFUL**—Large full flowers of perfect shape and form, with enormous individual petals and grand general character. Color, rich orange flame overspreading the petals to a distinct orange yellow base.

**COLUMBIA**—(H. T.)—Columbia is a giant in growth with magnificent dark green foliage absolutely free of mildew in any location. The flowers are a bright rose pink of glistening freshness, immense size and of elegant form. They are produced on stout canes well above the plant.

**CONSTANCE**—(Per.)—Long orange yellow buds, streaked with crimson, opening into large full globular flowers of rich golden yellow. Glossy light green foliage, with very thorny stems. A fine grower for such a fancy colored rose. Very distinct and a grand novelty which will make its way into every fancier's garden.

**HADLEY**—A grand new dark-colored rose which has proven to be desirable for out-door cultivation. The outstanding feature of this rose is the wonderful substance and texture of the petals. At times they appear as if stamped out of crimson velvet cloth. Strong rank grower with stout upright canes clothed with bronzy-green foliage. Buds of elegant shape and flowers perfectly formed. Color deep velvety crimson sometimes shaded black, retaining its brilliancy at all seasons of the year.

**HOOSIER BEAUTY**—A grand new hybrid-tea rose of American origin having been produced by a well-known hybridist in the State of Indiana. Flowers dark crimson shaded with maroon and veined with black. Petals of remarkable substance—like so much crimson velvet. Buds beautifully formed with fine pointed shape opening into large double flower.

**LOUISE CATHERINE BRESLAU**—(H. T.)—Entirely distinct from all other roses; the buds are coral-red shaded with chrome yellow, while the expanded flowers, which are very large, are shrimp-pink shaded coppery orange and chrome yellow.

**MME. EDOUARD HERRIOTT**—(Daily Mail Rose)—(Per.)—A very strong, vigorous grower with spreading, branching habit, and of glossy green foliage. The buds are coral red, shaded yellow at the base. The flowers are in size semi-double, and when full blown is a superb coral red shaded with yellow and bright rosy scarlet.

**MRS. HERBERT STEVENS**—Long beautifully pointed buds, large full flowers, ivory white with shadings of peach and fawn at edge of petals.

**MRS. WEMYSS QUINN**—Intense chrome yellow washed with madder-orange. Opens into a large canary yellow flower. Very free and perpetual. One of our finest new sorts.

**OLD GOLD**—A free blooming garden rose with mildew-proof foliage and producing an abundance of elegantly formed flowers of wonderful coloring. Vivid reddish orange with copper and apricot shadings. A very fine bedding rose.

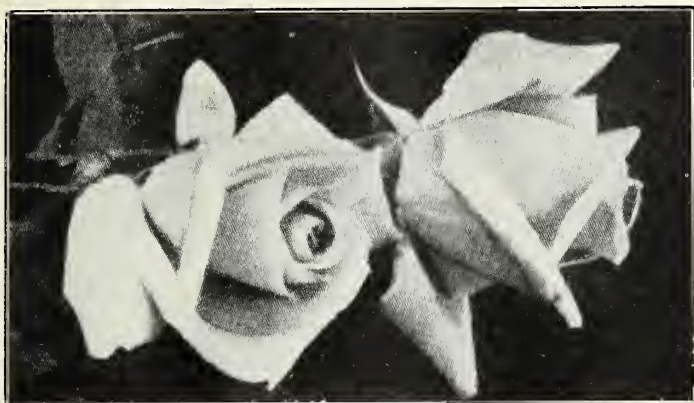
**ROSE MARIE**—This new American variety is remarkable for its freedom of bloom and its beautiful buds and well formed flowers. The buds are long and pointed, unfolding evenly into a large full flower. Color a fresh even shade of rose pink. Our experience with this new rose has been most gratifying and we have no hesitancy in recommending it as one of the best ever-blooming roses of the day.

**THERESA**—Strong, vigorous, upright growing rose. Produces canes of fine length, each surmounted with a beautiful long pointed bud opening in fine large bloom. Color rich orange and apricot shaded with madder. A glorious fancy rose.

**WILLOWMERE**—A novelty from the nurseries of Pernet Duchere in France, and who offers it as an improvement upon his famous Lyon Rose, being more vigorous in growth and free in bloom. Buds coral red suffused with carmine opening into a large full flower of a rich shrimp pink, shaded to yellow at the center. Very rich

OUR ROSES ARE POSTPAID TO FIRST, SECOND, AND THIRD ZONES

# SUPERB, WELL-KNOWN HARDY ROSES



OPHELIA IS ONE OF THE FINEST CUT-FLOWER ROSES

We feature only Extra Selected  
2-year-old Grafted Roses.

Bloom freely a few months after planting.

75c each, 3 for \$2.15, 6 for \$3.85, 12 for \$7.50, 25 for \$15.00,

**AMERICAN BEAUTY**—(H. P.)—Color rosy crimson; extra large full flowers, exceedingly sweet; makes magnificent buds.

**ARTHUR R. GOODWIN**—(Per.)—Superb combination of colors being coppery orange, red, and as the flowers expand, poppy to salmon pink.

**AUSTRIAN COPPER**—(H. B.)—Rich coppery red on inside of petals, yellow on outside; single.

**BABY DOLL**—(Poly.)—Also known as Tiptop. Golden yellow tipped with clear cerise. The foliage is narrow and long, and of a deep, glossy green.

**BELLE SIEBRECHT**—(H. T.)—The buds are beautifully formed, of long tapering shape and when half blown the petals reflex in a graceful manner. Color imperial pink.

**BLACK PRINCE**—(H. P.)—Intensely dark crimson approaching black. Flowers are cup-shaped, large and full.

**CAROLINE TESTOUT**—(H. T.)—Clear pink. One of the best Hybrid Tea roses up to date. It is clear pink and there is nothing in the rose line that can approach it in color.

**CECILE BRUNNER**—(Poly.)—Popular baby rose. Salmon-pink with deep salmon center, borne in clusters, very small, full and delicately scented.

**CHATEAU DE CLOS VOUGEOT**—(H. T.)—The color is varied from a deep velvety scarlet shaded to bright red and then to dark velvety crimson, as the flowers expand. Its fragrance is very pronounced.

**ETOILE DE FRANCE**—(H. T.)—The flowers are very large and borne on good long, stiff stems; color a lovely shade of clear, red-crimson velvet; very fragrant and keeps well.

**FRAU KARL DRUSCHKI OR SNOW QUEEN**—(H. P.)—A remarkably vigorous grower. Its flowers are very large, perfect in form, of the purest snow-white color, with large shell-shaped petals. A very free bloomer.

**GEN. JACQUEMINOT**—(H. P.)—Bright shining crimson, very rich and velvety, exceedingly brilliant and handsome; makes magnificent buds.

**GENERAL McARTHUR**—(H. T.)—This is probably the greatest favorite of all the garden roses. The flowers are a vivid crimson scarlet and retain their brilliancy when the flowers are fully expanded. Very highly perfumed and practically free from damage by mildew.

**GEO. DICKSON**—(H. T.)—Deep scarlet shaded velvety crimson. Flowers very large and full, intensely fragrant.

**HUGH DICKSON**—(H. P.)—A vigorous grower, with handsome foliage; sending up strong vigorous canes surmounted with blooms of a brilliant crimson, shaded scarlet.

**HEINRICH MUNCH**—(H. P.)—"Pink Frau Karl Druschki." It has every characteristic of the Druschki except in color it is pink and the petals are beautifully reflexed; a splendid cut flower rose.

**JONKHEER J. L. MOCK**—(H. T.)—Fine in bud, being full and well formed, and is equally good when it opens up. In color, it is a mixture of bright red and salmon pink.

**JULIET**—(H. B.)—A distinct variety with large, perfect flowers. The outside of the petals is gold and the interior rich rosy red, changing to deep rose; very fragrant.

**KAISERIN AUGUSTA VICTORIA**—(H. T.)—This beautiful rose blooms continuously. It is pure white and its petals are large and of the very best substance.

## SPECIAL ATTENTION

12 BEST WELL-KNOWN GARDEN ROSES \$7.50.

Delivered anywhere in California by P. P.

Especially Healthy and Strong Growing. Start your rose garden with these sorts and you will be rewarded beyond words. Extra Strong Budded 2-year-olds.

**5 KATE MOULTON**—(T.)—Beautiful clear pink; the petals, which are recurved, are tipped white; the buds are long and pointed. A vigorous grower and free bloomer.

**6 LADY HILLINGDON**—(T.)—A grand rose for garden decorations. Blooms continuously, buds very long, with a most pleasing shade of orange yellow.

**LADY PIRRIE**—(H. T.)—Deep coppery reddish salmon, inside of petals apricot-yellow, flushed fawn and copper. A Gold Medal Rose.

**LA FRANCE**—(H. T.)—Silvery pink. One of the finest of roses; the color is a most lovely rose, with silvery luster; it is a constant bloomer, and very sweet-scented.

**LYON**—(Per.)—The color of this rose is shrimp pink at end of petals; center coral red or salmon shaded with chrome yellow; highly perfumed.

**7 MAD. ABEL CHATENEY**—(H. T.)—A strong grower and a perpetual bloomer. Beautiful in bud; petals are recurved. The color is rose pink, tinged with salmon. One of the most attractive of all the roses.

**MAMAN COCHET**—(T.)—Rosy pink. A vigorous grower, with beautiful foliage; the bud is long and pointed, borne on long, stiff stems.

**MARQUISE DE SINETY**—(H. T.)—Buds rich yellow suffused with carmine, becoming deeper as the flower expands; fragrant.

**MILDRED GRANT**—(H. T.)—Color is pearly white, petals edged pink. Blooms size of Paul Neyron. One of the best of the late introductions.

**MISS CYNTHIA FORDE**—(H. T.)—Deep brilliant rose color shading on the back of the petals to a light rosy pink. Flowers large and of great substance.

**MME. LEON PAINE**—(H. T.)—Silvery salmon, center orange-yellow. Buds pointed, flowers large. Free bloomer. Excellent bush with dark glossy foliage.

**MRS. AARON WARD**—(H. T.)—Long buds borne on erect stems. Flowers large; Indian yellow, suffused with salmon rose.

**MRS. CHAS. RUSSELL**—This is a strong, healthy grower, the blooms are large, full, having a beautiful shade of rosy pink. A splendid variety for garden planting.

**8 OPHELIA**—(H. T.)—Since its introduction several years ago, it has been growing steadily in public favor. It is a heavy grower and produces flowers in abundance. In color it is salmon pink shaded rose and yellow at the base of petals. A splendid variety for outdoor culture.

**9 PAPA GONTIER**—(T.)—A magnificent bold flower; finely formed buds, color brilliant carmine, changing to rose and lilac; delightfully fragrant and is the most popular rose of its color.

**PAUL NEYRON**—(H. T.)—This rose produces the largest of all rose blooms. In color, bright salmon pink, very clear, and double; highly scented.

**PERLE DES JARDINS**—(T.)—Bright straw, sometimes canary color. Very large, full and fragrant and most popular.

**PERLE D'OR**—(P.)—Salmon tinted pink, flowers come in cluster, a salmon "Baby Rose." Very beautiful and popular.

**10 RADIANCE**—(H. T.)—Very free flowering habit and a strong grower. The flowers are a beautiful blending of shades of carmine rose with opal and carmine reflected, and is very fragrant.

**RAINBOW IMPROVED**—(T.)—Deep pink, penciled and mottled with glowing crimson; base of petals a bright amber color; fine buds; large flowers. Prune sparingly.

**RAYON D'OR**—(H. T.)—A vigorous grower of fine branching habit, with fine bronzy green foliage buds; tinged coppery orange, opening to a magnificent golden yellow.

**RICHMOND**—(H. T.)—One of the best red roses yet produced. It is a constant bloomer, very fragrant with a color approaching a deep scarlet in tone. It has long pointed buds on tall straight stems with elegant dark foliage.

**11 SUNBURST**—(H. T.)—Few roses have so many favorable points all combined in one plant. Its bronzy foliage, absence of thorns, its long, pointed, orange-yellow buds, becoming deeper towards the center, carried on long, stiff stems, place it in the front rank among the new roses.

**12 ULRICH BRUNNER**—(H. P.)—Brilliant cherry red. Flowers fine form and finish, carried well upon the plant. Petals of great substance. A very valuable rose.

**WHITE MAMAN COCHET**—(T.)—Clear white; the buds are solid, long and pointed, faintly suffused pink on outside. Should not be hard pruned.

**YELLOW MAMAN COCHET**—(T.)—Light yellow, edged rose.

OUR SUPERB WELL-KNOWN ROSES ARE POSTPAID TO THE FIRST, SECOND, AND THIRD ZONES

# Prize Winning Dahlias

(Dahlias marked \* originated in California)

Our Dahlia grower specialist has been and is the most consistent and successful prize winner on the Pacific Coast for the past five years. The marvelous exhibits given in San Francisco each year command the attention of Dahlia enthusiasts of the entire United States. Our tubers are of the best offered and absolutely true to name.

## PRICES ARE POSTPAID TO 3rd ZONE

**CULTURE**—Dahlia tubers are planted from February 1 until July 1, preferably in May. We recommend planting the tuber on its side at slight angle. Cover the bud end with four inches of soil, pressing or firming the soil well. The usual distance is three feet apart and four feet rows. As the buds appear, water freely and fertilize with a straw manure or Holland peat. Exhibition flowers are encouraged by dis-budding, leaving the single crown buds to develop into unusually large blooms. Dig the tubers after frost cuts the foliage down.

## POMPON DAHLIAS

Of small size, but firm, compact and long lasting; invariably with long smooth stems, and blooming with the greatest profusion. Especially good for small bouquets, sprays or dwarf beds. Deep Lavender, Orange, Yellow, Crimson, White, Old Rose, Bright Pink, Yellow tipped red, White tipped Rose. Name the color you wish. 50c each; 6 for \$2.75; 12 for \$5.00. Postpaid.



## PEONY OR ART DAHLIAS

The Peony or Art Dahlias are of recent introduction and are extremely popular. Flowers are large, having two to five rows of petals, very broad, and artistically twisted and curled. They usually show the golden center, and have small curling petals clustered around it. They are free-flowering, and their long, straight stems make them a beautiful growing and cutting variety.

**OUR SELECTION OF THE CHOICEST PEONY DAHLIAS KNOWN—**  
6 DIFFERENT COLORS, \$4.50—12 DIFFERENT COLORS, \$7.50—25 DIFFERENT COLORS, \$16.00.

\***COPPER**—Blue Ribbon Dahlia. Copper-colored blossom, shaded and tinted with bronze and apricot. This blossom is held high above the foliage on a strong, stiff stem. This well-known, beautiful Dahlia does remarkably well in a warm climate. 75c.

\***CREAM KING**—An immense flower on long, strong stems. A deep cream. Indispensable for garden and exhibition purposes. 75c.

\***ELSA**—Fluffy cream white flowers, large size and showing high above foliage. Useful for cutting and exhibiting. 75c.

**FANTASTIQUE**—New Orchid Type Peony. Deep, wine crimson, tipped and bordered white. Large flower, curled and twisted petals having the appearance of a variety of orchid. Long, strong stems. \$1.00.

\***GORGEOUS**—Yellow shading to bright scarlet. These gorgeous blossoms of tremendous size and great depth stand erect on exceedingly long, stiff stems, and add striking beauty to the garden. Because of their unusual substance, the blossoms are splendid exhibition and cut-flowers. The plant grows very tall and late blooms will be as large as the early ones. This is one of the finest peony dahlias ever grown. \$3.50.

**MEYERBEER**—One of the very largest. Indispensable for garden effect, exhibiting, and lasting cut-flowers. A beautiful crimson purple. Always in great demand. 75c.

\***MRS. JACK GREEN**—A very large and full flower on a fine, stiff stem. Color a beautiful, rich scarlet. 50c.

\***MRS. JESSIE SEAL**—A magnificent old rose with golden shadings. It has a long, stiff stem, held high above the foliage, and is an excellent cut-flower as well as exhibition variety. A Gold Medal Dahlia at the P. P. I. E. \$1.00.

\***MRS. JOHN BRAY**—A most distinctive fancy peony, of a white ground speckled, striped with maroon. Long, stiff stems and a fine cut-flower. \$1.00.

\***NATALIE MAI**—Deep, rich burgundy with maroon suffusion, shading to cream at edge. Tiny petals clustering around center. \$1.50.

\***OSAKA GEISHA**—A huge flower, with long, absolutely stiff stems. The coloring is unique, the fronts of the petals being yellow and the reverse a dull red, making a most effective combination. A fine garden as well as cut-flower. \$2.00.

\***PEARL RUGGLES**—One of the largest and most exquisitely colored. A carmine rose suffused with pink shading lighter at tips, and to white at the base of petals. Extra long, fine stems hold this beautiful blossom erect. The long petals twist and curl, and the yellow disc is surrounded with lovely little florets, giving the whole a very artistic effect. \$2.00.

**THE BILLIONAIRE**—This enormous peony is one of the largest of its type grown. Beautiful shade of golden orange. \$1.50.

**WALTA LINFORTH**—The warm carmine coloring is uncommon; the large size is attractive; the long stem and the mass of blossoms it bears for over four months make it a favorite with the public. 75c.

Dahlias marked \* originated in California

## COLLARETTE DAHLIAS

The Collarette is the newest introduction in Dahlias. It is a single Dahlia, with a fringe or collar of small petals around the center, hence the name. The stems are stiff and long. For cut flowers they are hard to surpass, lasting nearly a week when cut. Orange red, yellow collar; Rosy pink, white collar; Deep red, white collar; Purple, white collar; Maroon, lighter collar; Cream, cream collar; Maroon, white collar. Name the color you wish. 50c each; 6 for \$2.75; 12 for \$5.00. Postpaid.

## SHOW AND HYBRID SHOW DAHLAIS

These are the old-fashioned, quilled double flowers, and still hold a warm place in the hearts of many people because of their lovely colorings and excellence for cutting. The giant, or hybrid shows, are becoming favorites because of their tremendous size.

**OLD-FASHIONED SHOWS**—White, Pink, Purple, Yellow, Red, Yellow red tips, 50c each. Above 6 kinds for \$2.90, postpaid.

**NEW GIANT HYBRID SHOWS**—Deep purple, Bright lavender, Apricot, Pale pink, Yellow speckled red, 65c each. Above 5 kinds for \$3.00, postpaid.

Where you leave the selection of 6, 12, or 25 different kinds to us you receive extraordinary value

## DECORATIVE DAHLIAS

Decorative Dahlias are large and usually full to the center, with loosely formed long, flat petals. Many new introductions are remarkably beautiful. Some of the best cut flower varieties are in this class.

**OUR SELECTION OF THE CHOICEST DECORATIVE DAHLIAS KNOWN—6 DIFFERENT COLORS, \$4.50—12 DIFFERENT COLORS, \$7.50—25 DIFFERENT COLORS, \$16.00.**

- \***AMUN RA**—The winner of the 1921 Gold Medal, again was the sensation of the 1922 Dahlia Exhibition of the Dahlia Society of California! **WINNING A FIRST PRIZE** for the third consecutive year! This immense decorative, of an entirely new formation, resembles in color a glorious setting sun. The outer petals of the mammoth blooms are of gorgeous shades of copper and orange, shading to gold and amber, and deepening, in the large, full center to a rich, dark, reddish bronze. The stems are wonderful, erect and stout, and hold the immense blossoms well above a strong, vigorous plant. The blossoms keep for days when cut and last indefinitely on the bush. \$7.50 each.
- \***BYRON**—A fine large Dahlia of perfect formation with good stiff stems. The petals are quilled, and of a rich deep wine color. Strong grower. 75c.
- \***CAROLYN WINTJEN**—A very beautiful salmon pink with rose shadings. Large flower with a good stem. A vase of these lovely pink blossoms received first prize at the California State Floral Society's 1920 Exhibition. A fine cut flower. \$1.50.
- \***C. C. MOORE**—A lovely shade of golden apricot. The large flowers are held erect on long, strong stems. A sturdy grower and free bloomer. \$1.00.
- \***DR. TEVIS**—This magnificent Dahlia has been a famous prize winner ever since a seedling. In color, a beautiful shade of soft salmon rose, suffused with old gold, shading to a golden apricot center. One of the largest grown; flowers nine to eleven inches in diameter, and the immense flowers being held erect on fine, long, vigorous stems. \$1.00.
- \***EMBASSADOR**—Very large blooms of deepest shade of red or maroon, and if grown in the shade are nearly black. Very free blooming and the stems are long and stiff. Should be well disbudded. No better stemmed Dahlia was ever offered for sale. \$1.00.
- \***EVELYN ADAMSON**—The color of this immense and exquisitely charming Dahlia is so unusual it is difficult to describe. A rosy fawn pink suffused with gold, growing more beautiful as the blossom matures. This enchanting flower, very large yet refined, is held on a long, graceful stem, and is one of the most admired in our garden. \$2.00.
- \***HARRY DAVIDSON**—A novelty of an entire new color. A rich mulberry, tipped gold, shading to a golden yellow at center. Fine stems. \$1.50.
- \***JANE SELBY**—Large, delicate mauve pink blossom. Has always been a prize winner. The bloom of great substance is held well above the fine foliage on long, stiff stems. A splendid cut flower as it has fine lasting qualities. \$1.00.
- \***JOFFRE**—A French decorative of fine form and exquisite beauty. Delicate pink shading to white in center. A favorite cut flower for decorating, long, stiff stems and beautiful color. 75c.
- LE GRANDE MANITOU**—White ground striped and speckled violet. A very popular and useful Dahlia. A free bloomer with good stems. Fine for exhibition. 50c.
- \***MABEL B. TAFT**—A beautiful decorative of yellow, suffused with pinkish apricot, lighter in the center and shading deeper towards the outer petals. Very large flowers with fine long stiff stems. Lasts well as a cut-flower and blends beautifully with the sunset colorings now so popular. \$1.00.
- \***MRS. CARL SALBACH**—An immense bloom of a lovely mauve pink shading lighter to the center, and every petal outlined in deep mauve. The stems are extremely long and strong, holding this immense blossom proudly erect above a tall, vigorous plant. \$2.00.
- \***MRS. E. C. BOSTON**—Without doubt the best white decorative. Large, good stems and perfect form for exhibitions. \$1.00.
- \***MONS. LENORMAND**—Striking flower of bright yellow, striped and speckled with red and often tipped white. A very free bloomer and attractive in the garden. 50c.
- \***MRS. R. R. STRANGE**—A burnished copper with faint shadings of old rose and old gold. Not only a splendid garden flower, with its fine large blooms held high above the foliage, but also very useful as a cut flower, having a new autumn coloring so much in vogue. \$1.50.
- PATRICK O'MARA**—Orange buff, with a suggestion of Neyron rose at the outer petals. This medium-sized flower of rich autumn tints is held high above a vigorous plant with a long, strong, erect stem, and is one of the best cut-flowers, lasting for days when cut. \$1.00.
- \***PRINCESS PAT**—A magnificent new decorative of a glorious shade of old rose. Very large flowers, growing well above the foliage on long, stiff stems. A beautiful Dahlia for exhibition and good keeping qualities as a cut-flower. First Prize 1917 when seedling, and winning prizes ever since. Very alluring under artificial light when used for decorations. \$2.00.
- \***SAN MATEO**—One of the best Exhibition Dahlias of true form. The largest and handsomest fancy or bi-color Dahlia. A deep yellow, heavily striped and splashed scarlet, of great substance, fine formation and good stems. \$1.50.
- \***SUNSHINE**—A most brilliant scarlet, faintly tipped golden yellow. Soft, exquisite formation. A splendid large variety, and striking in the garden. \$1.00.
- \***THE GRIZZLY**—One of the very best. A dark velvety maroon beauty. This is a wonderful prize-winning Dahlia. This great shaggy flower of immense size is held high above the fine foliage on extra strong, long stems. \$2.00.
- THE MILLIONAIRE**—Undoubtedly one of the largest grown. Most delicate lavender with a faint pink cast overshadowing it. We have had

## DECORATIVE DAHLIAS—Continued

blooms from nine to thirteen inches in diameter. We are now able to offer this universal favorite for the moderate price of \$1.00.

\***THE PRIDE OF CALIFORNIA**—This Gold and Silver Medal Dahlia is crimson red, with dark, full center, and the best red decorative to date. Huge flowers on long, straight stems. Excellent for exhibition, and a cut flower with fine keeping qualities. The bushes are tall, and when laden with these beautiful red blossoms add greatly to the attractiveness of the garden. This variety does well throughout the entire country. \$1.00.

## CACTUS DAHLIAS

Characterized by long, narrow, pointed, tubular and twisted petals of graded lengths, giving the layered flowers a very striking and attractive appearance. This class presents probably the most striking general appearance, and its varieties are always among the most popularly sought

**OUR SELECTION OF THE CHOICEST CACTUS DAHLIAS KNOWN—6 DIFFERENT COLORS, \$4.50—12 DIFFERENT COLORS, \$7.50—25 DIFFERENT COLORS, \$16.00.**

- ALABASTER**—The finest white Cactus. Large and incurved. An indispensable exhibition variety, beautiful for garden and a fine cut flower. \$1.00.
- A. R. PERRY**—Old rose, tipped with gold. A very beautiful and large exhibition flower, with long, narrow, incurved petals. The stems are good. 75c.
- \***BALLET GIRL**—A flower difficult to describe. It is sometimes orange with a white edge, then again, white shading to orange, or white edged orange, and at times pure orange. All the blooms are very beautiful and attract the attention and admiration of every visitor to the garden. Of perfect formation and a good cut flower. \$2.50. ;
- CURLEW**—Lavender rose color, fine for exhibition, massive full flowers, very long florets, incurving over center, splendid size and shape. 75c.
- F. W. FELLOWES**—This beautiful orange cactus is one of the best grown. Very large blooms, deep, perfect form for exhibiting; indispensable for the garden and cut-flowers, as its color is most attractive. 75c.
- \***GOLDEN WEST**—American Cactus of great merit because of its coloring, stem, and keeping qualities. The color is uncommon, a striking old gold. This Dahlia is used extensively by the florists for decorating purposes, especially table decorations. 50c.
- HERBERT RABY**—Wine crimson, huge flowers. Long, narrow, incurving petals. Another good exhibition cactus. 50c.
- \***MRS. EDNA SPENCER**—A delicate and exquisite shade of lavender or orchid pink. In much demand, as it is a lasting cut flower of unusual color and very beautiful under artificial light. \$1.50.
- PIERROT**—Lovely deep amber, usually boldly tipped with white. Immense flowers, if disbudded are huge. Sensational exhibition cactus. 50c.
- SUSSEX**—New exhibition cactus. Clear light yellow. Large flowers of narrow florets, far above the average width. \$1.00.
- UNION JACK**—A striking novelty. Large red incurved petals, tipped white. A very attractive Dahlia, greatly admired in the garden and on the exhibition table. 75c.
- HYBRID CACTUS DAHLIAS**
- The petals are broader than cactus and more twisted. Flowers usually larger.
- OUR SELECTION OF THE CHOICEST HYBRID CACTUS DAHLIAS KNOWN—6 DIFFERENT COLORS, \$4.50—12 DIFFERENT COLORS, \$7.50—25 DIFFERENT COLORS, \$16.00.**
- GEORGE WALTERS**—This Silver Medal prize winner is one of the best and most popular Dahlias, as it does well everywhere. We have always had great demands for this beautiful variety, and each season finds it more popular. A lovely, pinkish salmon, suffused with gold in the center. A wonderful bloomer with long, stout stems. 75c.
- \***HELEN DURNBAUGH**—An exceedingly beautiful and dainty flower. The large blooms are of a most exquisite pink, shading to white. Fine stem, and a good keeper when cut. 75c.
- KALIF**—Its brilliant pure scarlet color, strong stout stems, large, perfect formation make it one of our most useful Dahlias. 50c.
- \***LA FAVORITA**—A beautiful blossom of a new and distinctive coloring. Large flower of a most brilliant orange, always full to the center, and carried on a long, strong stem. In great demand as a cut-flower, as it tones so well with the sunset and autumn-hued Dahlias, with its rich Oriental coloring and artistically twisted petals. It keeps well when cut. \$1.50.
- \***MRS. RICHARD LOHRMANN**—A pure golden yellow of immense size, curly petals; excellent cut-flowers. Attracting attention by its glorious color, and the flowers growing well out of the bushes. A Gold Medal Dahlia and one of the best yellow Dahlias to date. \$1.50.
- \***MRS. W. E. ESTES**—This incomparable white Dahlia is the largest and best snow white grown. There is no other white Dahlia so useful for all purposes, does well in a warm climate, as it never burns in the sunshine. The immense bloom, with its petals deep and full, is held high above the foliage on a long, strong stem, making a most excellent cut flower. \$1.50.
- \***SAN FRANCISCO**—Immense flowers of a reddish bronze; petals broad and twisted; carried on upright stems high above the foliage. A splendid cut-flower of rich coloring. 75c.
- \***TOM LUNDY**—The rich, dark, velvety crimson flowers are immense in size and have good stems. This Dahlia does exceptionally well in a warm climate and gives great pleasure to the grower. When introduced at the P. P. I. E. in 1915 it was a sensation. 75c.
- YELLOW KING**—Huge flowers on long, extra strong stems. Pleasing shade of yellow and a lasting cut-flower and exhibition variety. 50c.

Where you leave the selection of 6, 12, or 25 different kinds to us you receive extraordinary value

# Fruit Trees and Small Fruits

There is a sharp contrast between the old-time fruit rancher who bought the cheapest tree obtainable, without consideration of quality, and the modern orchardist, who knows that the cheapest and most profitable method of buying trees is to buy the best. The trees and vines grown by us, detailed for you herewith, are the very best that care in selection and propagation can possibly produce.

We never, under any circumstances, advocate the planting of new varieties until by personal and practical tests they have proved their desirability, and instead of a long list of varieties, we only submit those which have proved their excellence.

Write for quantity prices. We offer special inducements to large planters. Five or more fruit trees of the same kind (Example, 5 apples, 5 peaches at the special 10 rate. However, five fruit trees of different fruits are at the single price.

**Filling Orders**—We are in position to fill orders for stock in this department as soon as this catalogue reaches you. If your order is accompanied by at least 25 per cent of full amount, we will at once assemble the fruit or other trees then in storage, and "set aside" under your name until the date set or weather conditions permit, for shipping.

**Planting**—Dig good, large square holes that will take the roots properly and with at least 6 to 10 inches to spare. Spread the roots out carefully and set the tree an inch or so lower than it was grown. Fill the soil in gradually, tramping it well around and under the roots. When the hole is two-thirds filled in give the tree a good bucket of water. Fill in balance of soil when the water has settled. Cultivate frequently to hold the moisture and keep the tree growing naturally and prevent loss by summer droughts. NEVER plant a tree when the soil is too moist or wet. NEVER put manure of any sort in the hole when planting.

**Root Pruning**—All roots should be cut back an inch or so to insure a healthy start. Injured or broken roots must also be cut off.

**Pruning** must be done after the tree is set. You are responsible for the shape of your tree. Commercial trees are cut back very drastically, generally knee-high; however, for back yard orchards we recommend shaping a tree so that it can be easily cared for. Cut back the long side branches to 4 or 5 eyes, leaving only three laterals to form the crown. These should be balanced in different directions. If the tree is just a straight, single growth, cut it off 2½ or 3 feet.

**Special Notice to Customers**—When ordering, please state if substitution will be permitted. When no instructions accompany order, and varieties are sold out, we will substitute similar sorts. The trees when shipped should be unpacked at once on arrival, the roots laid in a trench and well covered with soil and thoroughly watered.



## Apples

Under the law of general average no crop will produce more income per acre than a good apple orchard. The fact that they can be shipped to every part of the world and that there is an ever-growing demand, not only for home consumption, but for export, canning and evaporating, assures profitable prices to growers at all times.

Apples do well in all the Coast counties of California as well as in the foothills and higher altitudes of the Sierras. 4 to 6 feet, 2 years old, each 75c; 10 for \$6.50.

### DELICIOUS APPLES

#### SUMMER VARIETIES

**ALEXANDER**—Large, conical; greenish yellow, streaked with orange and bright red in the sun; flesh yellowish white. Its large size and excellent cooking quality make it a desirable market sort; productive and profitable. August 15th to September 15th.

**EARLY HARVEST**—Medium size; bright straw color; tender and fine, with a pleasant sharpness; good for table and cooking. Last of June and early July.

**GRAVENSTEIN**—Large, rather flattened; skin yellow; freely marked with light and deep red and orange; flesh tender, crisp, highly flavored, aromatic; a strong growing and heavily bearing tree. Its beautiful appearance, fine eating quality, uniformly large size and good keeping quality make it the best apple of the summer season. July 20th to September 1st.

**RED ASTRACHAN**—Large, roundish; nearly covered with deep crimson, overspread with deep bloom; juicy, rich, sub-acid flavor; attractive, fine eating and one of the best. The main reliance for an early apple. July 1st to 31st, according to location.

#### FALL VARIETIES

**JONATHAN**—A beautiful, brilliant red Apple, highly flavored and of excellent quality; being tender, juicy and rich. A splendid family sort. Tree is long-lived, productive and an early bearer of wide adaptability and for market ranks as the best Fall Apple. October.

**ROME BEAUTY**—Uniformly large and smooth, shaded and striped with bright red; blooms late and is an annual bearer. One of the surest bearers under all conditions. October and November.

**YELLOW BELLFLOWER**—Very large, oblong, smooth; lemon color, with blush; flesh tender, juicy, crisp, with slightly sub-acid flavor; tree a strong producer. A universal favorite. Keeps well and into the Winter. October to January.

### WINTER VARIETIES

**BEN DAVIS**—A large Apple, very handsomely striped in red on a yellow background; good quality; tree very hardy, vigorous and productive; a late keeper. November to February.

**DELICIOUS**—Large, surface almost covered with beautiful brilliant dark red, blending to beautiful yellow at the blossom end. Flavor sweet, slightly touched with acid, with an aroma delightfully fragrant. Flesh is fine grained, crisp and exceedingly juicy. In keeping quality it ranks with the best. One of the strongest, hardiest and most vigorous growers. Aphis resistant and a late bloomer—a valuable feature. November to April.

**SPITZENBURG**—Oblong and smooth; nearly covered with rich, lively red; on shady side yellowish with broken stripes of red; flesh very firm, crisp, juicy, with a delicious aromatic flavor. Tree a good, upright grower, hardy and productive. November to April.

### CRABAPPLES

**RED SIBERIAN**—Smooth, glossy, hardy and splashed with red. Firm and juicy, extremely hardy and prolific. Excellent for jellies and preserves. October.

## Nectarines

The Nectarine is a most delicious fruit, requiring the same culture as a peach, from which it differs by having a smooth skin like a plum. The mellowness of the pulp, combined with its rich, sweet, aromatic flavor, renders it especially desirable as a dessert fruit, or canning and preserving.

Price, 4 to 6 feet, 2 years old, each 85c; 10 for \$7.50.

**HUMBOLDT**—Large, bright yellow with red cheek; flesh yellow, sweet and pleasant flavor; freestone. The leading yellow-fleshed Nectarine.

**STANWICK**—One of the leading varieties. Large size; flesh white, tender, juicy and of delicious flavor; skin greenish-white and shaded with reddish-purple in the sun. Fine table variety; good for drying, preserving and shipping. Middle of July.

## Almonds

When pruning young trees leave two or three of the side branches, cutting these back to two or three eyes, as almonds sometimes will not bud from the main stem. Price, 4 to 6 feet, 2 years old, each 75c; 10 for \$6.50.

**DRAKES SEEDLING**—Well known variety and prized for its regular and heavy producing qualities. Valued also as a pollinizer. Nut medium size, roundish. Shell medium soft, kernel good size.

**I. X. L.**—One of the standard commercial varieties. Tree of upright growth. Nuts large and symmetrical. Shell soft, smooth. Kernel large and well filled.

**NE PLUS ULTRA**—Produces nuts of excellent quality. Nut long and narrow with thick soft shell. Tree of willowy or drooping habit.

**NONPAREIL**—Most popular paper shell variety. Tree is a vigorous grower, producing heavy crop large well filled nuts. Kernel long and narrow, plump and of excellent quality.

**TEXAS PROLIFIC**—Valued as a pollinizer. Tree an upright, vigorous grower and heavy producer. Nut medium size, soft, smooth and plump.

ALL FRUIT TREE ORDERS CAN BE SHIPPED BY EXPRESS OR FREIGHT. TOO LARGE TO MAIL

## Peaches

The words "California Fruit" and "Peaches" are practically synonymous, for the Peach has become the chief fruit of California. Under our long, glorious summers it attains a size, substance, flavor and keeping quality superior in every way to those grown in other states.

4 to 6 feet, 2 years old, each 75c; 10 for \$6.50.



EARLY CRAWFORD PEACH

### CLINGSTONE OR CANNING

**RUNYON'S ORANGE CLING**—Fruit very large; yellow with dark crimson cheek; flesh yellow; rich and sugary with the finest flavor; good bearer; good for shipping, canning and drying. August 5th to 20th.

**PHILLIPS CLING**—A fine, large, yellow Cling; clear yellow to the pit, which is very small; flesh yellow and fine grained; tree thrifty and regularly productive; preferred by canners to any other late variety of cling. August 25th to September 25th.

**McKEVITT**—Skin clear, creamy white with delicate blush of red; flesh firm, rich, sugary and highly flavored. As a white canning Peach it has no superior. A good shipper, productive and a thrifty grower. August 26th to September 15th.

**LEVI**—Syn. Henrietta or Salway Cling. A fine Cling of large size; surface deep yellow, with a shade of deep purplish red; flesh firm, juicy and sweet. Highly esteemed for canning and a very desirable Peach for Eastern shipment. Ripening after the Phillips and prolonging the canning season. A good bearer; profitable variety. September 2d to 25th.

### FREESTONE VARIETIES

**MAYFLOWER**—From North Carolina. The earliest Peach grown; absolutely red all over; flesh white; juicy and of excellent Peach flavor, and as large as the Alexander, and ripens two weeks earlier; medium size. Tree is strong grower, blooms late, heavy bearer and requires thinning. May 25th to June 10th.

**ALEXANDER**—Medium to large; greenish white; Clingstone, with red cheek; flesh white and juicy; bears transportation well. Heretofore most largely grown as earliest variety; and profitable mainly on that account. June 8th to 20th.

**HALE'S EARLY**—Medium to large; surface white, shaded with red; flesh white, delicious and juicy; a good shipper. June 18th to July 6th.

**EARLY CRAWFORD**—Medium to very large; Freestone; skin yellow with tinge of red; flesh yellow, rich and of excellent eating quality. Good for canning, drying or for Eastern shipment. This variety is well known and will continue to be a standard, profitable sort. July 10th to 27th.

**FOSTER**—Medium to large; round; Freestone; surface yellow with red cheek; flesh yellow, sweet and juicy. Good for canning, drying or for Eastern shipment. Regular bearer, productive and of excellent quality. July 15th to 31st.

**STRAWBERRY FREE**—Medium to large; white, mottled with dark red near the pit; juicy, with a rich, delicious flavor. A very attractive dessert fruit. A desirable variety for home orchard; a good, marketable sort also. July 15th to 31st.

**ELBERTA**—A fine Peach and standard midsummer Freestone; very large, round, oval, of uniform size and symmetrical; very attractive. Surface bright golden yellow, with faint red stripes. Flesh yellow, juicy and of delicious flavor. Excellent also for canning and drying. A very prolific bearer. July 25th to August 10th.

**LATE CRAWFORD**—Very large Freestone; roundish, surface yellow with red cheek; flesh deep yellow, juicy and of excellent quality; very firm; a good shipper; good for canning or drying. A popular and well known variety. July 24th to August 13th.

**MUIR**—A large, perfect Freestone; surface yellow; flesh yellow, dense and sweet. A regular and prolific bearer. The best of all Freestone Peaches for drying and good also for canning. July 27th to August 15th.

## The Quince

Price, 4 to 6 feet, 2 years old, each 75c; 10 for \$6.50.

**PINEAPPLE**—One of Burbank's productions. The name comes from the flavor, which is suggestive of pineapple. They will cook as tender as the best cooking apple, possessing an exquisite flavor not equalled by any other Quince. Very large size, very hardy; bears young and regularly. Ripen September 1st.

**APPLE OR ORANGE**—The fruit is of a fine golden color when ripe, having a smooth skin. The flesh is golden yellow in color, fine and of excellent flavor, highly recommended for the making of preserves. Suitable for planting in all fruit sections of this state. Ripens September 15th.

## Plums

The Plum thrives in all parts of the State and adapts itself from the Coast and Bay regions to the foothills of the Sierras. It is normally a self-fertilizer, however, we recommend planting several varieties for the purpose of cross fertilization to insure heavier and more regular bearing.

Price, 4 to 6 feet, 2 years old, each 75c; 10 for \$6.50.

**BEAUTY**—(Japanese)—Fruit medium large; heart shaped; color brilliant red; flesh yellow and of exquisite flavor. The earliest Plum. June 5th to 15th.



SANTA ROSA PLUM

**SATSUMA**—(Japanese)—Syn. Blood Plum. Large, conical, nearly round; surface dark red under a thick bloom; flesh dark purplish, red, firm, juicy and of good flavor; pit very small. July 25th to August 5th.

**SANTA ROSA**—(Japanese)—The best early Plum. It is far superior in color, flavor and appearance to either Burbank or Climax. The Plums are deep purple crimson, with pale yellow bloom; very large, conical, symmetrical, uniform in size; flesh yellow with a shade of rosy scarlet near the skin; fragrant flavor; rich, juicy, delicious and surpassingly exquisite. June 25th to July 15th.

**GRAND DUKE**—(European)—Very large, oval; surface dark, blackish purple, covered with a thick, deep blue bloom; flesh firm, greenish yellow, and of splendid eating quality. August 10th to 20th.

**GREEN GAGE**—Medium size; oval surface greenish tinged with yellow; deep white blush. Flesh pale green, melting, juicy, exceedingly rich and of excellent flavor. July 20th to August 5th.

**WICKSON**—(Japanese)—Large, heart shaped; in ripening their color develops from a cherry red to a brilliant claret as full ripeness is attained; flesh amber colored, very juicy and of an agreeable flavor. A very attractive Plum. June 10th to 25th.

**DAMSON**—(Shropshire)—Fruit small, juicy and sub-acid flavor. Excellent for preserves. Purple skin. Ripens September. Tree hardy and productive.

## Prunes

With the exception of Tragedy and Hungarian, the early shipping green fruit sorts, the following Prunes can be used for dried fruit purposes. All are delicious for dessert.

Price, 4 to 6 feet, 2 years old, each 75c; 10 for \$6.50.

**TRAGEDY**—(California Seedling)—Medium to large, oblong; purplish blue, with a beautiful deep blue bloom; Freestone; flesh greenish yellow; sweet, juicy and very delicious. June 10th to July 1st.

**FRENCH PRUNE**—(Petite Prune d'Agen)—Medium size to large; egg shaped; violet purplish; sweet, rich and sugary. Tree a strong grower and exceedingly productive. This is the standard variety for drying and has been more extensively planted than any other. August 25th to September 15th.

**IMPERIAL**—(European Imperiale Epineuse)—Fruit large; uniform size; surface violet purple with dark blue bloom; flesh greenish yellow and exceedingly sweet; pit small. It ripens earlier than the French Prune and is fully equal to French Prune in flavor and sweetness and surpasses same in size. July 25th to August 5th.

**SUGAR PRUNE**—(European)—Ripens a month earlier than French Prune, and this fact is a desirable feature. It averages a high percentage of sugar in the fresh fruit, and is larger in size than the French Prune. Tree is a vigorous and strong grower and enormous and regular cropper. Fruit large, oval; surface dark purple, covered with a thick, white bloom; flesh yellow, tender and rich. June 20th to August 5th.

**HUNGARIAN**—(Syn. Gros)—Very large, ovate; skin dark red; covered with a beautiful lilac bloom; flesh yellow, juicy and of excellent flavor. Freestone, and a good shipper. Its large size, excellent eating quality and showy appearance make it a great favorite. August 5th to 20th.

Price, lifted with balls of soil, 4 to 5 feet, \$2.50 each.

## Pomegranates

The natural habit of the Pomegranate is to grow bushy. Very little pruning required. Makes a beautiful shrub and delicious fruit. Price, 4 to 5 feet trees, 75c each, \$6.50 for 10.

## Persimmons

Price, 4 to 5 feet, 2 years old, grafted, \$1.75 each, 3 for \$5.00.

**HACHIYA**—(October)—Very large, oblong, conical pointed toward the apex. Skin bright red with dark spots or blotches; few seeds; a valuable variety, considered to be one of the best. Dried quite extensively in its native home, Japan.

## Pears

The Pear is cultivated very generally in all sections of California, doing well in all soils, succeeding best on a heavy loam. Pears can grow well on alkaline soils where other fruits refuse to bear and often die. Bartlett is the king of Pears, and should be more largely planted than any other variety, Bartlett being pre-eminently the best. They can be successfully grown over a very wide range, and there is no fruit offering a safer or more profitable investment. On very early locations a block of fall Pears enjoy a wide range of distribution at profitable prices, and with the opening of the canal trade routes, Fall Pears in particular will be in great demand for the export trade. They will safely average an income of from \$125 to \$400 per acre. Price, 4 to 6 feet, 2 years old, each 75c; 10 for \$6.50.



**BARTLETT**—The leading commercial Pear of California for canning, shipping and drying, and more extensively planted than any other. The tree is a strong grower and prolific; fruit large, smooth, clear yellow, sometimes with delicate blush; flesh white, fine grain, juicy, buttery and delicious. Their season extends from July 1st to September 15th, according to location.

**DOYENNE DE COMICE**—Large, roundish pyriform; greenish yellow; ripening, becomes a fine yellow shaded crimson, slightly marked with russet spots; flesh white, fine, melting, aromatic; a French Pear of quite recent introduction. Its large size, good keeping quality, fine grain and exquisite flavor make it a great favorite. October 15th to November 15th.

**WINTER NELIS**—Medium, roundish, obovate; yellowish green dotted with gray russet; flesh yellowish white; fine grained, but watery, very melting and full of rich, sweet, aromatic juice. In eating quality equal to the Bartlett. October 15th to November 15th.

**WINTER BARTLETT**—Fruit large, closely resembling the famous Bartlett, but ripening four months later.

**SECKEL**—Very popular medium sized pear of a rich yellowish brown. Very productive and luscious. Ripens in September.

## Mulberry

**PERSIAN**—Trees of rather slow growth, but bear young and produce the finest fruit of all the mulberries. Grafted, 3 to 4 feet, \$1.25 each.

## Apricots

California practically monopolizes the market of cots as no other section of our country produces it in quantities at so little expense and small risk of failure of crops. We bud apricots on myrobalan root for heavy moist soils and on peach root for light, well-drained, warm sandy soils. Please specify.

Price, 4 to 6 feet, 2 years old, each 75c; 10 for \$6.50.

**BLENHEIM**—Large, oval; surface orange, with deep yellow tinge; flesh yellow, juicy and rich. Tree is vigorous grower and a prolific bearer. Fruit runs a little larger than Royal, and ripens just a little later. June 20th to July 5th.

**ROYAL**—Very large, oval; skin dull yellow; flesh yellow, and of excellent Apricot flavor. Tree a strong grower and a good bearer. Fruit ripens evenly. A favorite with canners. Excellent for drying, and one of the best for distant shipment. June 10th to 20th.

**MOORPARK**—Fruit very large, oblong; skin orange, with a shade of deep orange-red; flesh quite firm, bright orange. Parts free from stone. Juicy, with a rich and luscious flavor. Excellent for home orchard. June 25th to July 10th.

## Olives

When you buy an Olive Tree, it will pay you to get the best—never the cheapest—as the best are always cheapest in the end. Olives in California are usually grown from cuttings because that is the easiest and least expensive way. However, it has been demonstrated that an olive worked on piccoline root produces a stronger tree and a better root system than a tree grown from a cutting. Strong grafted trees at \$1.25 each.

**MANZANILLO**—Very large, of a deep, black color, dotted with white specks when fully ripe. Makes fine pickles of the very best quality and produces oil of high grade. Tree hardy and a prolific and regular bearer.

**MISSION**—This old standard sort, introduced by the Spanish Padres, is more extensively cultivated than the sum of all other varieties. Makes a fine, firm pickle of the very best commercial quality, and produces oil of high grade. Tree rapid grower; adapts itself to a wide range of localities and is a regular and almost constant bearer.

## Cherries

The sun-kissed land of California stands first with the old familiar cry of "Cherries Ripe," for the reason that California cherries are on the market when no other cherries from any other State are available.

Price, 4 to 6 feet, extra strong 2-year-old, each \$1.10; 10 for \$10.00.

**BLACK TARTARIAN**—The standard early black Cherry; large to very large; purplish black; dark purplish flesh; juicy and of excellent flavor; splendid shippers; regularly productive. May 15th to June 10th.

**EARLY BURBANK**—A valuable new introduction by Luther Burbank. A fine, very large black Cherry. Flesh purple, firm and of good flavor. Ripening in advance of Tartarian, its large size, good keeping quality and earliness make it the most profitable early Cherry. Being the first large black, firm Cherry on the Eastern markets, they sell at fabulous prices. April 25th to May 10th.

**BING**—A fine extra large black Cherry; of good eating and good shipping quality; fairly productive. Ripening immediately after the Tartarian, its fine large size and appearance, excellent eating and shipping quality make it one of the best and most profitable market cherries. May 15th to June 10th.

**ROYAL ANN**—Pale yellow, richly mottled with red; large to extra large; very firm; juicy and sweet; good eating and magnificent for display and a good shipper. Canned they have no equal; very productive. May 18th to June 10th.

**MORELLO**—Large, dark red; tender, juicy, rich and acid; an excellent sour cherry; thrives and bears well throughout the west; with us the best of this class. Late June.

## Walnuts

Walnuts will give good results under varying conditions of soil and location if moisture is sufficient either from rainfall or irrigation, but should not be planted in poor dry soils. They thrive best in deep, rich, moist soils and respond readily to good culture, making a rapid growth and bearing early when given proper attention. We offer four leading varieties, all grafted trees, as we never recommend seedlings. Prices, grafted, 4 to 6 feet, each \$1.75; 10 trees for \$15.00; 4 kinds for \$6.50.



**FRANQUETTE**—The standard among walnuts, and commanding a higher price in the market than any other. Nut large, elongated, oval and very attractive in form; kernel full, sweet, with a very rich nutty flavor. Blooms late in spring.

**MAYETTE**—This ranks with the Franquette as one of the leading commercial varieties. Size large and unequaled as a dessert nut; an abundant bearer; starts late in the spring.

**EUREKA**—Tree remarkably vigorous; upright grower; leaves and blooms three weeks later than seedlings of the Santa Barbara softshell. Nuts large, elongated, smooth and tightly sealed. A desirable variety for planting in the interior valleys. Regularly productive.

**PLACENTIA PERFECTION**—A vigorous grower; commences to bear abundantly about the fifth year after planting. An improved Santa Barbara Soft-Shell. Most popular walnut in Whittier district. Nut large; shell smooth and thin; kernel white and sweet.

### WALNUT ROOT FOR GRAFTING

**CALIFORNIA BLACK**—Rapid growing and desirable as a stock for grafting or budding; adapts itself to all conditions. Nut medium size; hard, smooth shell.

Price, 4 to 6 feet, 75c each; 10 for \$6.50.

## Fruit Trees and Small Fruit—Continued

### Oranges

Price, lifted with balls of soil, 4 to 5 feet, \$2.50 each

**WASHINGTON NAVAL**—The most popular of any orange grown in California. Very large, solid and heavy; skin smooth and of very fine texture.

**VALENCIA LATE**—Fruit medium size, oval, solid, heavy; skin very thin and of strong texture; flesh juicy, rich color, fine grain, firm, crisp and of excellent flavor.

### Lemons

Price, lifted with balls of soil, 4 to 5 feet, \$2.50 each.

**EUREKA**—Medium size; sweet rind; a good keeper and very popular.

**LISBON**—Fruit medium size; fine grain; sweet rind, very strong acid; very few seeds, and a good keeper.

**VILLA FRANC**—Medium size; considered to be the best of all lemons grown.

### Pomelo or Grape Fruit

Price, lifted with balls of soil, 4 to 5 feet, \$2.50 each.

**TRIUMPH**—Fruit medium size; smooth, clear and fine grained; juicy and well flavored; very few seeds; tree bears when young.

### Figs

Price, 4 to 5 feet, 75c each; \$6.50 per 10.

**CALIFORNIA BLACK**—A well-known local variety. Large dark purple, almost black when fully ripe. Makes a good dried fig. Tree grows to a very large size, and gives immense yield.

**WHITE ADRIATIC**—Fruit large; skin greenish-yellow color; pulp carnation red. Ripens from August to October.

**CALIMYRNA**—Large lemon yellow, pulp reddish amber. Dries readily and with less trouble and expense than any other fig. This variety cannot be grown without the Capri Fig, which serves as a home for the minute insects which carry the pollen from the Capri Fig to the female flowers of the Calimyrna Fig.

**WILD, OR CAPRI**—Must be grown in connection with every Calimyrna Fig orchard.

**KADOTA**—This is the fig being planted so extensively near Stockton for canning. Medium sized; thin, white skin; pulp white. Never sours when planted in dampest locations. First week in August.

## Strawberry Plants

### California Seed Co's Quality Strawberry Plants

Our plants are large, vigorous and healthy. They are heavily rooted and have large, full crowns; have been carefully grown, and are free from disease and pests. They are grown from selected high-yielding strains and are always true to name; no substitution is ever allowed without instruction from the purchaser.

Every home garden should have a strawberry bed, for nothing is more thoroughly appreciated than a dish of luscious strawberries fresh from the garden, and the new everbearing varieties make it possible to have them at any time during the summer and fall.

Strawberries thrive on any good rich garden soil, but it should be liberally fertilized, preferably with bone meal or commercial fertilizer. They should not be planted on fresh sod land. The ground should be thoroughly prepared, and the plants set one foot apart in rows not less than two feet apart. The bottom one-third of the roots should be cut off before planting, and the roots should be spread out in a natural position. Exercise care that the plant is set so that the crown of the plant is above the ground. After the plants are well established mulch the strawberry bed entirely with clean straw, to keep the fruit off the bare soil and hold the moisture.

The matted row system is used by the commercial growers. A 26-inch bed with a double row of plants alternating with a 26-inch irrigating ditch. The first year enough runners are allowed to set to fill up the bed. This method requires from 12 to 15 thousand plants per acre.

Strawberry plantings last from three to six years according to soil and variety, the "Banner" being the longest lived. Where plants are set early, during December, a good crop is produced the first year. After the first year the production runs from seven to seventeen tons per acre.

### Our Improved Heavy Yielding Strain Famous Banner Strawberry

Best, most uniform and heaviest yielding main crop Strawberry for home gardens and market growers.

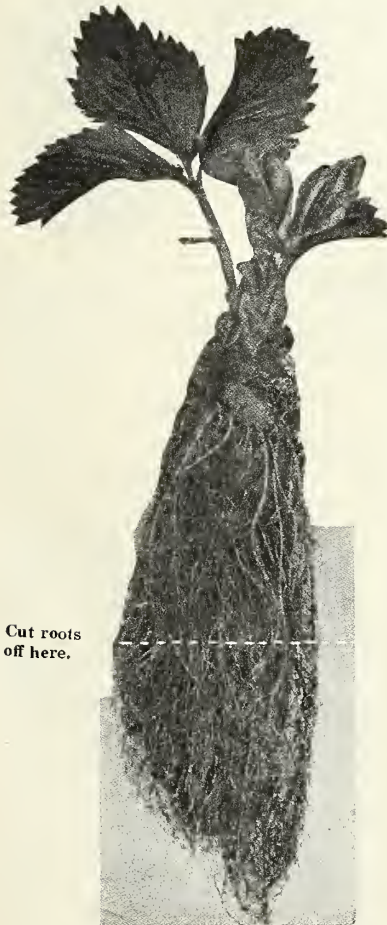
**OUR BANNER** is large, firm and of fine form, averaging 15 to the quart box, color a brilliant, deep, rich, red, having a glossy varnished appearance when fully ripe. This dark blood red coloring extends through to the very center, and, no matter how large, **Our Banner** is never hollow. When fully ripe the distinctive flavor is suggestive of the wild berry, is crisp and delicious, and will remain on the vine for three days without injury, keeping perfectly for many days after picking; stands handling and long shipments and will hold its color, shape and flavor when canned.

**OUR BANNER** is an early and continuous bearer, being ready for marketing the first half of May.

12 Plants for 50c; 50 Plants for \$1.60; 100 Plants for \$3.00, postpaid; by express (delivery extra): 250 Plants for \$5.00; 500 for \$8.00; 1000 Plants for \$15.00—larger quantities upon application.

### Progressive Everbearing Strawberry

This valuable Everbearing Strawberry is beyond doubt the best of its class. We do not think it has an equal and our improved strain is certainly a great cropper and a sure bearer of luscious fruit. It has never failed to produce an abundant fall crop on our grounds. Long rooted and a very thrifty grower; foliage is ample, free from disease and a beautiful rich green. If allowed to make runners, the Progressive will bear on the new set plants, even before they take root. However, for best results we advise cutting off all runners. If this is followed, the plants will attain an enormous size. They will throw out from 8 to 15 fruit stems and the berries will be large and beautiful. The berries of the Progressive are of excellent quality, delicious flavor and beautiful color. They cannot be surpassed for home use, being equally delicious if eaten fresh or after canning. Many of our customers are growing Progressive for market, and they are making big money, as the fruit sells readily at big prices. The fall bearing strawberries have a fine flavor far surpassing that of the standard sorts. They are sweet, mellow and aromatic, a flavor you can enjoy from June until early winter frosts. Price, good plants, 75c per doz., postpaid; 50 for \$2.25, postpaid; \$4.00 per 100, postpaid; \$20.00 per 1000, by express. Low prices on large quantities upon application.

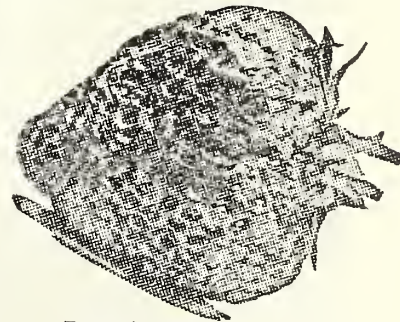


Cut roots off here.

### Vigorous Roots

Characteristic of the plants or trees bought from us.

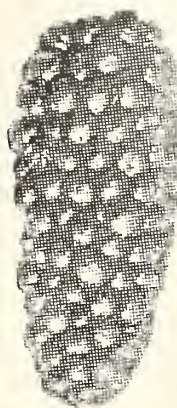
Cut roots at dotted line on above plant to insure healthy, quick growth.



Exact size and true type Banner

# Blackberries

## Cory's Thornless Mammoth Blackberry



Canes are so smooth that you can strip the foliage off between your fingers. Absolutely proved to be wonderfully productive and a first-rate market berry. Fruits as large as the Mammoth Black, often 2 to 2½ inches in length; practically coreless and nearly seedless. Without hesitation we believe this berry will be the most popular ever sent out. Our stock is from the originator, and guaranteed to be as represented.

**SPECIAL NOTE: Do not confuse with other inferior thornless blackberries.** We will absolutely guarantee our true Cory stock to produce like its famous parent the Mammoth Blackberry. Strong 1-year-old plants, 30c each, 5 for \$1.25, postpaid. By express (delivery extra): 50 plants for \$7.50, 100 plants for \$12.50. Strong 2-year-old plants, 50c each, 5 for \$2.00, postpaid. By express (delivery extra): 50 plants for \$15.00, 100 plants for \$25.00.

## Himalaya Giant Blackberry

A late Blackberry, coming after the other berries are gone, ripening over a period of several weeks, making it especially desirable for family use. Like the Loganberry, it must be grown on a trellis—the vines under favorable conditions growing 15 to 20 feet. The berries grow in bunches; are of excellent flavor and the yield surpasses any berry ever introduced. Strong 2-year-old plants, 35c each, 3 for \$1.00; 12 plants for \$3.50, postpaid.

## Mammoth Blackberry

Named by some "The Black Loganberry"—The fruit is enormously large, some specimens measuring from 2¼ to 2½ inches long. It is advisable in planting the Mammoth Blackberry plants that they be given plenty of room. If grown upon a trellis, which is by far the best way, the rows should be not less than 9 feet apart and the plants 6 to 8 feet in the rows. Strong 2-year-old plants, 35c each, 3 for \$1.00; 12 plants for \$3.50, postpaid.

## Hardy Macatawa Blackberry

This new everbearing blackberry is a bush type requiring no support. The fruit is uniformly large, very sweet and firm, with few seeds, and no core. Stands handling and shipping. A good canning variety. Season is early, fruiting in April and continuing until frost. 35c each, 3 for \$1.00; 12 plants for \$3.50, postpaid.

## Other Popular Berries

### Japanese Wineberry—Ornamental both in fruit and plant.

Canes covered with purplish red hairs. Fruits in large clusters and each berry at first tightly enveloped by the large calyx, forming a sort of burr, which is covered with purplish-red hairs. These gradually open and turn back, exposing beautiful wine-colored fruit of medium size, rich sub-acid, retaining flavor when cooked; highly esteemed for canning, preserves, jellies, etc. Price 25c each, \$2.50 per dozen, postpaid.

### Strawberry-Raspberry—This is an entirely new fruit, both in habit of growth and form of

fruit. Bushes grow 1 to 3 feet high, and are covered with red berries in the shape of strawberries. They are upright in manner of growing. Perfectly hardy, bound to become a valuable addition in the fruit line. It is very productive and a distinct novelty in small fruits. Price, 15c each, \$1.50 per dozen, postpaid.

**The Loganberry—**A hybrid between the Raspberry and the Blackberry. The fruit is as large as the largest Blackberry, and is produced in immense clusters. The color is a clear, dark red. It partakes of the flavor of both the Blackberry and the Raspberry—mild, pleasant, vinous flavor, delicious and peculiar to this berry alone. Seeds small, soft and few. Berries very firm, and carry well. Strong grower; enormous bearer. Fruit ripens early, just after strawberries. Strong 2-year-old plants 35c each, 3 for \$1.00; 12 plants for \$3.50. Postpaid. Write for prices on tips and 2-year-old plants in quantities.



**The Phenomenal Berry—**Originated by Burbank; berries very large, of a bright crimson raspberry color; very productive. Berries in large clusters of from 5 to 10 and somewhat larger than the Loganberry, to which it has a close resemblance. Strong 2-year-old plants 35c each, 3 for \$1.00; 12 plants for \$3.50. Postpaid.

# Raspberries

## La France

### GIANT EVERBEARING RED RASPBERRY

Big, Rich, Sweet, Juicy Berries from June until November.



Actual average size of New Giant La France Raspberry

The bush is a remarkable grower, rapid, vigorous, often reaching a height of eight feet. The canes are large and strong with few spines, and branch freely, adding to their productivity. The berries are firm, much larger than other raspberries; richly delicious in flavor; late crops are heavier than the earlier; size of the berries is the same from early to late. The La France is all berry—not all seeds. The berries are borne in long clusters from one to three feet back from the tip of the canes where throughout the season may be seen buds, blooms, green berries, and ripe fruit in great abundance. The two most striking characteristics of La France are the enormous size of the berries and the extreme length of the bearing season. A Raspberry from which one may gather large crops of berries for Thanksgiving and even later is beyond question an extremely valuable plant to have in the home garden; and, when out of a test shipment of various varieties of Raspberries sent to New York from California this last summer, the La France came through in better shape than any other, it seems to show that it is not only the finest berry for the home garden, but for commercial culture as well. Introductory price, 75c each, 5 plants for \$3.00, 10 plants for \$5.00, postpaid. By express (delivery extra), \$35.00 for 100 plants.

**Cumberland—**Eastern black cap Raspberry. A healthy, vigorous grower, throwing up stout, stocky, well branched canes that produce immense crops of magnificent jet black berries. Fruit very large, firm. Price, 20c each, 10 plants for \$1.50.

## Ranaree

### FINEST STANDARD SIZE RED RASPBERRY For Market Gardeners and Home Gardens

The most popular everbearing red raspberry ever introduced because it actually does bear a big crop of luscious fruit in June and begins again in September and bears continuously until Christmas. It does not bear a few straggling fruits, but the bushes are bending down with fruit in all stages of development, some in bloom, some half ripe and some full ripe. Valuable alike for market or the home garden.

Ranaree is one of the most valuable raspberries for the home garden as well as for market. It is so firm that it will stand shipping hundreds of miles, arriving at its destination in the very best condition. It succeeds upon all soils, whether light and sandy or cold and heavy clay, and the canes are absolutely hardy, always and everywhere, so far as tested. Market gardeners and fruit growers are making plenty of money and there is a regular scramble for plants. If you, Mr. Gardener or Fruit Grower, do not have the Ranaree, then you should right now order just as many plants as you can possibly make room for. Price of good strong plants, each 20c, 10 plants for \$1.50, postpaid. By express (delivery extra), \$10.00 for 100 plants. Write for special prices in large quantities. Our prices are always right.

**Cuthbert—**One of the leading red raspberries in California. It is a strong and hardy plant, free grower and an abundant bearer. The foliage is large and abundant, which affords ample protection to the fruit. The berries are large, a beautiful deep crimson in color, possessing a most pleasing flavor. Price 15c each, 10 for \$1.00, 100 plants for \$6.00.

**Golden Queen—**This variety is almost identical with Cuthbert, except in color; it being a beautiful yellow. Fruit large, productive; quality first class. It is beyond doubt the finest and most profitable yellow berry grown. The fruit sells well on the market and is grand to display along with the red varieties. It attracts much attention. Price 25c each, 5 for \$1.10, 10 for \$2.00.

Be sure to include some of the new Cory Thornless Blackberries especially recommended by us

## Grapes

### European (Table and Wine Types)

Price 25c each, 5 for \$1.10, 10 for \$2.00. Write for special quantity prices.

**BLACK CORNICHON**—Bunches long and loose. Berries black, with deep blue bloom; long, oval, with thick skin; flesh firm, crackling and of fine flavor. A very desirable table grape, and a good shipper. This variety is gaining favor each year, and we recommend it for extensive planting. September 6th to November 1st.

**MALAGA**—Bunches very large and compact. Berries very large, oval, yellowish green, with white bloom; thick skinned; flesh very firm, sweet, crisp and of exquisite, natural flavor. A very desirable variety for Eastern shipment, and has rapidly displaced the Muscat on the Eastern markets. A good shipper and sells at remunerative prices. A good bearer. August 18th to September 5th.

**MUSCAT**—Bunches long and loose. Berry oval, yellowish green and thick skinned; pulp very sweet, delicious, and with a decided Muscat flavor. For Eastern shipment we prefer the Malaga; for raisins, of course, the Muscat. August 20th to September 15th.

**ROSE OF PERU**—Bunches large, shouldered and loose. Berry round, large, with firm, sweet, crackling flesh; color, black, tinged with yellowish green. A good early Grape. A very profitable sort for planting. August 12th to September 5th.

**THOMPSON SEEDLESS**—Bunches very large and compact; berries greenish yellow; firm, oval and seedless; pulp crisp, and of very sweet, delicious natural flavor; a good shipper and the best early variety. More valuable for drying than any other variety, and on account of its productiveness, its early ripening, and freedom from rain damage while being cured, and the great demand for a seedless raisin of higher quality at remunerative prices, this is one of the best money-makers for the California grower, and their consumption is capable of very large expansion. Ripens August 5th to 20th.

**TOKAY**—Bunches large and compact; berries very large, oblong, red, covered with lilac bloom; flesh firm, crackling and sweet. Used more largely as a table grape than any other variety, and is the standard for profit. August 18th to November 1st.

**ZANTE CURRANT**—(Black Corinth)—Bunches medium; berries small, seedless; skin thin; black; blue bloom. This is the variety producing the currant of commerce, under the name "Zante Currant," of which there are imported into the U. S. annually from Greece over 1,000,000 pounds. Special, 35c each, 3 for \$1.00.

## Gooseberries

Strong 1-year-old plants, each 30c, 10 for \$2.50.

**OREGON CHAMPION**—Berries very large, brownish red; very sweet and fine for table use and pies. A very profitable bearer.

**DOWNING**—Fruit good size; oval, color whitish green; skin smooth; flesh soft, juicy and good; an upright and vigorous grower.

## Currants

Strong 1-year-old plants, each 30c, 10 for \$2.50.

**PERFECTION**—Beautiful, bright red, larger than Fay, holding its size to the end of the bunch; easy to pick; a superior berry, less acid and of better quality than any other large currant under cultivation.

**CHERRY**—Very large; deep red; fine for preserving, and a valuable market variety.

### GRAPES—Continued

#### American (Or Skinskin Varieties)

Price 40c each, 5 for \$1.75. Write for quantity prices. For arbors and pergolas.

**ISABELLA**—A strong-growing variety, especially adapted for arbors; bunches good size, somewhat loose; berries quite large, oval, black, covered with a blue bloom; juicy, sweet and rich, with a slight musky aroma.

**CONCORD**—Black; the old standby; healthy, hardy, vigorous, productive; succeeds in localities where others fail; ships well, sells well, and is of good quality.

**NIAGARA**—The Niagara grape bears the distinction of being the best white variety of the American type of grapes. The bunches are of medium size and compact. The fruit is medium and uniform in size—skin thin, greenish white changing to pale yellow when fully ripe. The flesh is firm, juicy and highly aromatic, a splendid variety for home use.

### Commercial Wine Grapes

Price, 25c each, 10 for \$2.00, 100 for \$10.00. Write for special quantity price. Plant 8 feet x 8 feet, or 680 to an acre.

**ZINFANDEL WINE**—Berries round, dark purple; the most extensively planted grape in California for making claret.

**BURGER**—(September)—Produces a light, white wine of excellent quality.

**PETITE SYRAH**—One of the best claret grapes; very vigorous grower and remarkably productive. Cluster loose, long and shouldered; berries of medium size, black, covered with bloom. September.

**ALICANTHE BOUCHE** and other varieties upon application.

# Vegetable Plants and Roots

If ordered by parcel post note **Special Mail Prices**, which include delivery to your door up to 3rd Zone. The postage allowed to us barely covers cost of mailing.

We carry the following plants and roots in their season as noted; packing them exceedingly careful to insure safe arrival. Upon receipt they should be unpacked immediately and refreshed by dipping in water for a moment. Plant at first opportunity or heel the roots in soil.

**Cabbage Plants**—All year round. Doz., 15c; 100, 85c; 1000, \$6.00. By mail, doz., 20c, 100 for 95c, 1000 for \$6.25. Postpaid.

**Cauliflower Plants**—All year round. Doz., 15c; 100, 85c; 1000, \$6.00. By mail, doz., 20c, 100 for 95c, 1000 for \$6.25. Postpaid.

**Celery Plants**—March to July. Doz., 25c; 100, \$1.75. By mail, doz., 30, 100 for \$1.85. Postpaid.

**Egg Plant**—April to June. Doz., 35c. By mail, doz., 40c.

**Horse Radish Roots**—January to May. Doz., 50c. By mail, doz., 55c. Postpaid.

**Tomato**—April to June. Hardy transplanted, selected plants.

Chalk's Early Jewel—Early; large.

Stone—Popular large smooth late.

Price, 30c per 12; \$2.00 for 100. By mail, 35c doz.; \$2.10 per 100 plants. Postpaid. Special quotations to canners and market gardeners for fancy seedling plants of tomatoes, peppers, etc.

**Pepper**—April to June. Hardy transplanted selected plants.

Large Bell or Bullnose—Common sweet Bell.

Chili—Short, thin, extremely hot.

Pimiento—Can be eaten like an apple—sweet.

**Artichoke Plants**—January to May. Improved French Green Globe. Price, 10c each, 6 for 50c. By mail, 15c each, 6 for 65c. Postpaid.

**Rhubarb Roots**—Ready fall and spring.

Strawberry—Very popular, small stemmed variety of extra fine flavor. Each, 25c, 5 for \$1.00. By mail, 30c each, 5 for \$1.15. Postpaid.

**Wagner's Giant**—Largest sort grown; usually 2 to 3 feet in length. Every garden should have a few. Rhubarb clumps, 25c each, 6 for \$1.25. By mail, 30c each, 6 for \$1.35. Postpaid.

**Sweet Potatoes**—April to June. Doz., 25c; 100, \$1.50. By mail, doz., 30c; 100 for \$1.65. Postpaid.



YOU CAN EASILY GROW YOUR OWN ASPARAGUS

**Asparagus Roots**—Strong plants. January to April. Dozen, 35c. By express, per 100, \$2.50. By mail, 12 for 45c, 50 for \$1.50. Postpaid.

**Herbs**—Chives, Sweet Marjoram, Sage, Thyme, Mint—plants, 2 for 25c. By mail, 2 for 30c. Postpaid.

**Tarragon**—Strong plants, 30c each. By mail, 35c each, 3 for \$1.00. Postpaid.

**Catnip**—Strong plants, 25c each. By mail, 30c each. Postpaid.

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# When to Plant Vegetable Seeds

## JANUARY

Artichoke Roots  
Asparagus Seed  
Beets  
Beans, Windsor  
Broccoli  
Brussels Sprouts  
Cabbage  
Cauliflower  
Chive Plants  
Cress  
Corn Salad  
Garlic Sets  
Horse Radish Sets  
Kale  
Kohl Rabi  
Leek  
Lettuce  
Mustard  
Onion Sets  
Parsley  
Peas  
Radish  
Rhubarb Roots  
Spinach  
Herb Plants

## FEBRUARY

Artichoke Roots  
Artichoke Seed  
Asparagus Roots  
Asparagus Seed  
Beets  
Beans, Windsor  
Beans, Bush  
Beans, Pole  
Broccoli  
Brussels Sprouts  
Cabbage  
Cabbage Plants  
Carrot  
Cauliflower  
Chervil  
Chicory  
Corn Salad  
Cress  
Dandelion (French)  
Garlic Sets  
Horse Radish  
Kale  
Kohl Rabi  
Leek  
Lettuce  
Mustard  
Onion Seed  
Onion Sets  
Parsley  
Parsnip  
Peas  
Peppers  
Potatoes  
Radish  
Rhubarb Seed  
Rhubarb Roots  
Salsify  
Spinach  
Tomatoes  
Turnips  
Ruta Bagas  
Herb Plants

## MARCH

Artichoke Roots  
Artichoke Seed  
Asparagus Seed  
Asparagus Roots  
Beets  
Beans, Bush  
Beans, Pole  
Beans, Lima  
Broccoli  
Brussels Sprouts  
Cabbage  
Cabbage Plants  
Carrot  
Cauliflower  
Chervil  
Chicory  
Corn  
Corn Salad  
Cress  
Cucumbers  
Dandelion  
Egg Plant  
Garlic Sets  
Horse Radish Sets  
Kale  
Kohl Rabi  
Leek  
Lettuce  
Watermelon  
Musk Melon  
Mustard  
Okra  
Onion Seed  
Onion Sets  
Parsley  
Parsnip  
Peas  
Pepper  
Potatoes  
Pumpkins  
Radish  
Rhubarb Seed  
Rhubarb Roots  
Salsify  
Spinach  
Tomato  
Tomato Plants  
Turnip  
Ruta Bagas  
Herb Plants

## APRIL

Artichoke Seed  
Asparagus Seed  
Beets  
Beans, Bush  
Beans, Pole  
Beans, Lima  
Cabbage  
Cabbage Plants  
Carrot  
Cauliflower  
Cauliflower Plants  
Chervil  
Chives  
Chicory  
Corn  
Corn Salad  
Cress  
Cucumbers  
Dandelion

Egg Plant  
Egg Plant Plants  
Garlic Sets  
Horse Radish Sets  
Kale  
Kohl Rabi  
Leek  
Lettuce  
Melons  
Mustard  
Okra  
Onion  
Onion Sets  
Parsley  
Parsnip  
Peas  
Pepper  
Pepper Plants  
Potatoes  
Potatoes, Sweet  
Pumpkins  
Radish  
Rhubarb Seed  
Rhubarb Roots  
Salsify  
Spinach  
Tomatoes  
Tomato Plants  
Turnips  
Ruta Bagas  
Herb Plants

## MAY

Beans, Dwarf  
Beans, Pole  
Cabbage  
Carrot  
Cauliflower  
Chervil  
Corn  
Cress  
Cucumber  
Dandelion  
Egg Plant  
Kale  
Kohl Rabi  
Leek  
Lettuce  
Melons  
Mustard  
Okra  
Onion  
Parsley  
Peas  
Peppers  
Potatoes  
Pumpkins  
Radish  
Salsify  
Spinach  
Tomato  
Turnip  
Ruta Baga  
Herb Plants

## JUNE

Beans, Bush  
Beans, Pole  
Cabbage  
Cauliflower  
Corn  
Cress  
Cucumber  
Lettuce

Melons  
Okra  
Peas  
Pumpkins  
Radish  
Spinach  
Ruta Baga  
JULY  
Beets  
Beans, Bush  
Broccoli  
Brussels Sprouts  
Cauliflower  
Cress  
Kale  
Lettuce  
Mustard  
Peas  
Radish  
Spinach  
Turnip  
Ruta Baga

## AUGUST

Beets  
Broccoli  
Brussels Sprouts  
Cabbage  
Carrot  
Cauliflower  
Corn Salad  
Cress  
Endive  
Garlic Sets  
Kale  
Kohl Rabi  
Lettuce  
Mustard  
Onion  
Parsley  
Parsnip  
Peas  
Radish  
Spinach  
Turnip

## SEPTEMBER

Beets  
Brussels Sprouts  
Broccoli  
Cabbage  
Carrot  
Cauliflower  
Chervil  
Corn Salad  
Cress  
Chicory  
Dandelion  
Endive  
Kale  
Kohl Rabi  
Leek  
Lettuce  
Mustard  
Onion  
Parsley  
Parsnip  
Peas  
Radish  
Spinach  
Turnip

## OCTOBER

Beets  
Broad Beans  
Broccoli  
Brussels Sprouts  
Cabbage  
Carrot  
Cauliflower  
Chervil  
Corn Salad  
Cress  
Chicory  
Dandelion  
Endive  
Kale  
Kohl Rabi  
Leek  
Lettuce  
Mustard  
Onion  
Onion Sets  
Parsley  
Parsnip  
Peas  
Radish  
Spinach  
Turnip

## NOVEMBER

Artichoke Roots  
Broad Beans  
Broccoli  
Brussels Sprouts  
Cabbage  
Carrot  
Cauliflower  
Cress  
Kale  
Kohl Rabi  
Leek  
Lettuce  
Mustard  
Onion  
Onion Sets  
Parsley  
Parsnip  
Peas  
Radish  
Rhubarb Roots  
Spinach  
Turnip

## DECEMBER

Artichoke Roots  
Broad Beans  
Broccoli  
Brussels Sprouts  
Cabbage  
Carrot  
Cauliflower  
Chives  
Cress  
Garlic Sets  
Horse Radish Sets  
Kale  
Leek  
Lettuce  
Mustard  
Onion Sets  
Parsley  
Peas  
Radish  
Rhubarb Roots  
Spinach

# Our Special Flower Garden Collections

## Giant Flowering Ten Week Stocks

These stocks are all in separate packets and are the best colors for home gardens. We recommend these for Summer Blooming.

Azure Blue,  
Flesh Pink,  
Blood Red,  
Rose Pink,  
Dark Blue,  
Pure White

The Above Six Colors  
Postpaid for  
**50c**

## Giant Flowering Zinnias

The blossoms of these Giant Zinnias measure 4 to 5 inches in diameter. We offer a special collection of the following colors in separate packets

Crimson - Deep Yellow - Flesh Pink  
Orange - Rose Pink - Lavender

Postpaid for  
**75c**



## Giant Flowering Spencer Sweet Peas

SEVEN CALIFORNIA BEAUTIES

Asta Ohn, Lavender - Countess, Pink  
King White, Pure White  
King Edward, Red  
Mrs. Routzahn, Apricot  
Helen Lewis, Orange Salmon  
Senator, Chocolate Striped

Each in a separate packet with full cultural directions

Postpaid for  
**50c**

## Giant Flowering Snapdragons

These are excellent cut flowers and should be in every garden. We offer a special collection of five separate colors as follows:

Garnet - Pink - Rose - Yellow  
White

Postpaid for  
**40c**



## Gardens



*Men make gardens, but few of them know  
The wonderful things a garden may grow.*

*So few of them guess that God, all day,  
Leans to listen when gardens pray.*

*Flowers, and grasses, and things for food  
Are only part of the garden's good.*

*Gardens hold ever the light and hope  
Of life to be, and the broader scope.*

*The fruitful harvest and greater yield;  
And faith is planted in every field.*

*The gardens men make are things divine,  
"In each, the Master planteth a vine."*

*And the vine is love whose tendrils creep  
Silently over men's hearts asleep.*

*Men plant for food and they seldom see  
That gardens are part of eternity.*

*When men like gardens bear fruit for good,  
The harvest will be Man's Brotherhood.*

WILLIAM NAUNS RICKS.